



ASOCIACIÓN DE VALUADORES Y PERITOS
DE INGENIERÍA DEL PARAGUAY
(AVPIP)



CRITERIOS TÉCNICOS DE DEPRECIACIÓN EN SUS DISTINTAS MODALIDADES

CRITERIO TÉCNICO

Son reglas o normas que debe tener en cuenta el Profesional para tomar la determinación. Estos deberán ser complementados con análisis detallados enunciados en las normas metodológicas, principalmente en los referentes a las Normas Internacionales de Valuación (IVS).

DEPRECIACION

Depreciación: Se define como la pérdida de valor que sufre un bien por cualquier causa, ya sea por uso, deterioro, tiempo transcurrido u obsolescencia.

CAUSAS DE LA DEPRECIACIÓN

Causas Físicas: Desgaste por funcionamiento; Accidente; Deterioros por acción del tiempo.

Causas Funcionales: Por insuficiencia y por Obsolescencia

La metodología a seguir, en esta presentación, consiste en una reseña general de los Métodos de Depreciación por Antigüedad más usuales, de los Bienes Inmuebles, y Bienes Muebles, Maquinarias y Equipos; para luego explicar la depreciación por el Estado de Conservación, también los más usuales, y en sus distintas modalidades.

Varios son los métodos para calcular la depreciación de los Bienes, existen fórmulas y tablas especiales para hallar el coeficiente o factor de depreciación.

- a-)** Procedimiento de la “Línea Recta”
- b-)** Procedimiento de la “Línea Parabólica de Kuentzle”
- c-)** Procedimiento de la “Línea Parabólica de Ross”
- d-)** Procedimiento de la “Línea Parabólica de Kuentzle Invertida”
- e-)** Procedimiento de la “Línea Parabólica de Ross Invertida”
- f-)** Procedimiento de “COLE”
- g-)** Procedimiento de “Matheson”



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PROCEDIMIENTO DE LA “LÍNEA RECTA”

Consiste en considerar la depreciación como función lineal de la edad del Bien con variación uniforme a lo largo de su vida útil. Se representa a través de la ecuación:

$$K1 = \frac{Ant.}{Vu}$$

K1 = Coeficiente de Depreciación en término porcentual

Ant. = Edad o antigüedad del Bien en años

Vu = Vida Técnica o Vida Útil del Bien

EJEMPLO

Estimando una Vida Útil de 10 años

a) La depreciación en 2 años: $K1 = \frac{2}{10} = 20\%$

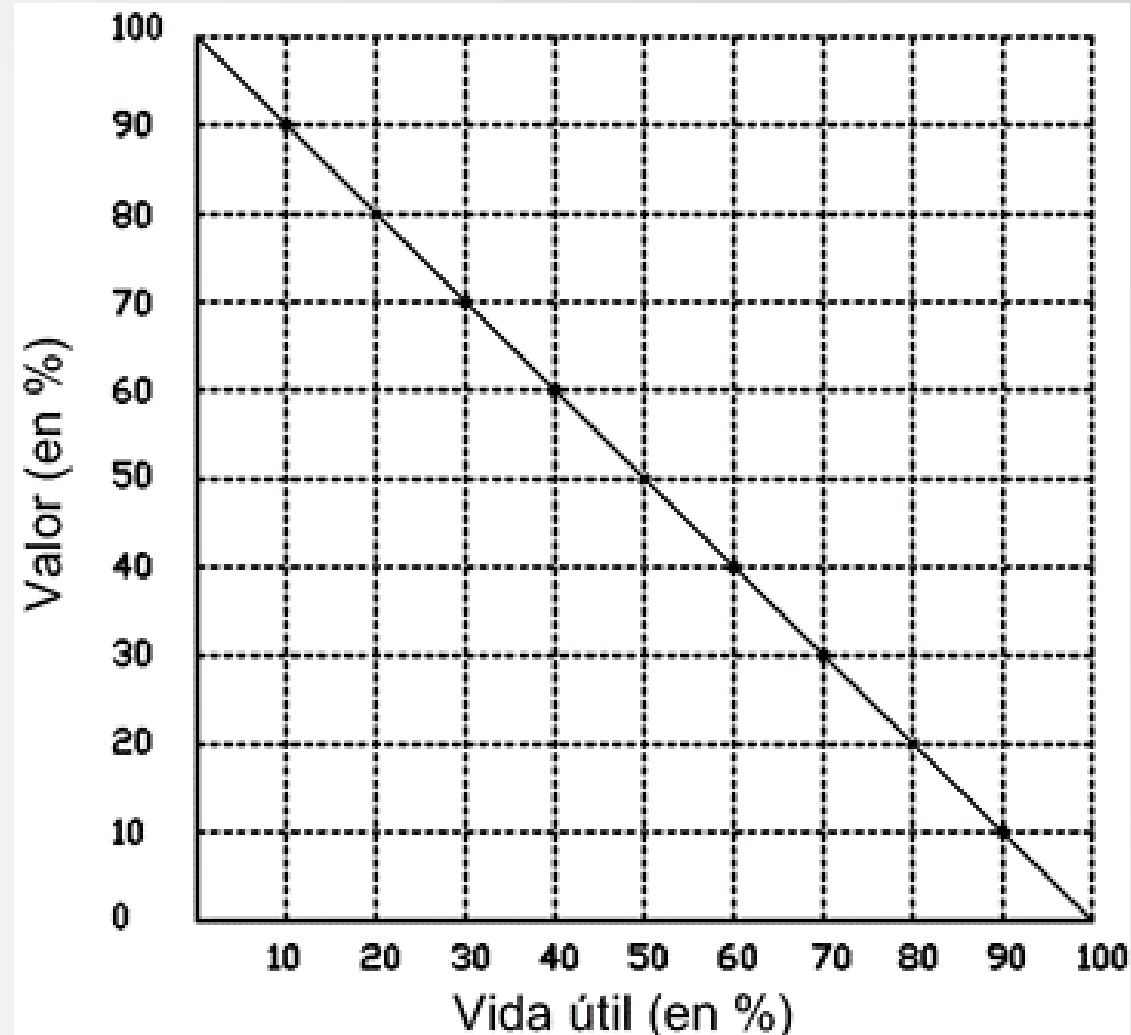
b) La depreciación en 4 años: $K1 = \frac{4}{10} = 40\%$

c) La depreciación en 6 años: $K1 = \frac{6}{10} = 60\%$



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Gráfico, Método de la Línea Recta



PROCEDIMIENTO DE LA “LÍNEA PARABÓLICA DE KUENTZLE”

La representación de la fórmula de Kuentzle es una parábola, tiene un decrecimiento reducido en los primeros años. Se representa a través de la ecuación:

$$K_1 = \left(\frac{\text{Ant.}}{V_u} \right)^2$$

K1 = Depreciación en término porcentual

Ant. = Edad o antigüedad del Bien en años

Vu = Vida Técnica o Vida Útil del Bien

EJEMPLO

Estimando una Vida Útil de 10 años

a) La depreciación en 2 años: $k_1 = \left(\frac{2}{10}\right)^2 = 4\%$

b) La depreciación en 4 años: $k_1 = \left(\frac{4}{10}\right)^2 = 16\%$

c) La depreciación en 6 años: $k_1 = \left(\frac{6}{10}\right)^2 = 36\%$

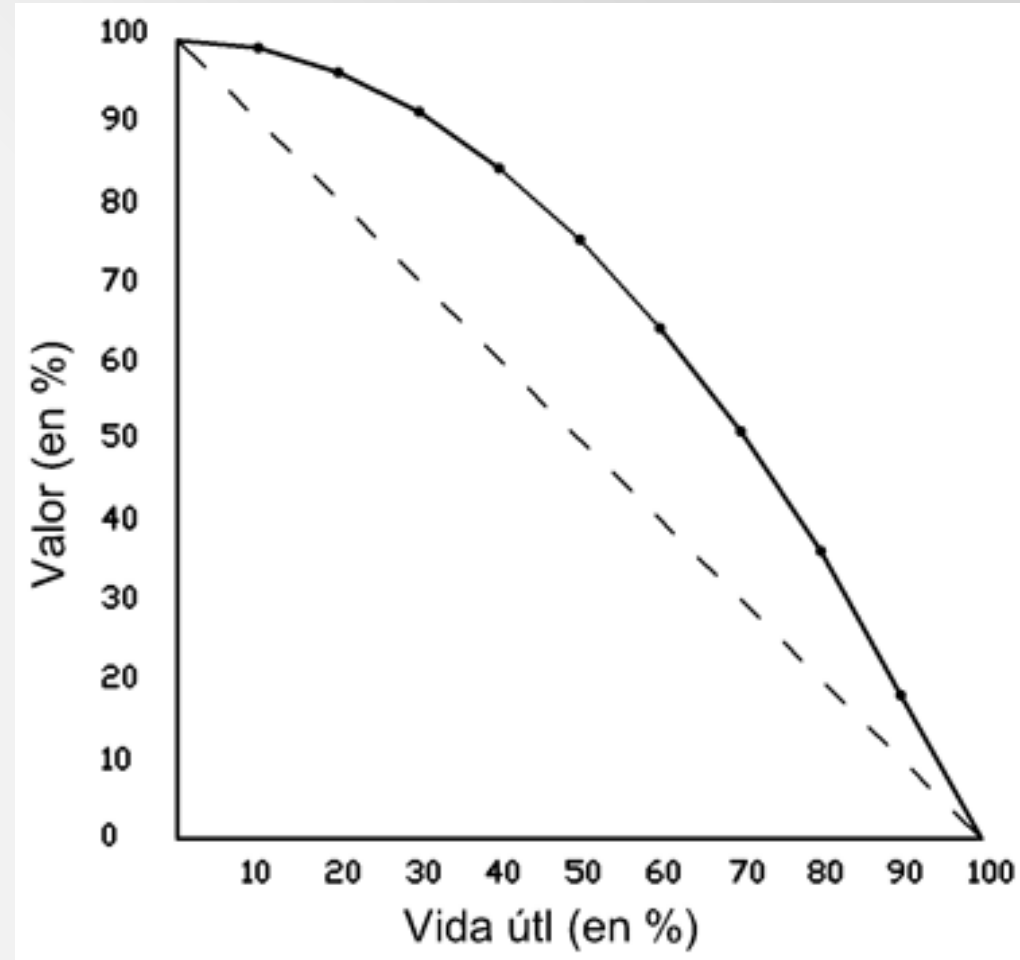
Como se observa es mucho menos acelerado que la Línea Recta



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Gráfico, Método de Kuentzle



PROCEDIMIENTO DE LA “LÍNEA PARABÓLICA DE ROSS”

Ross prefiere un intermedio entre los métodos anteriores, con el fin de tener una depreciación no tan acelerada como la Línea Recta, ni tan lenta como el Método de Parabólico o Kuentzle. Se representa a través de la ecuación:

$$K1 = \frac{\left(\frac{\text{Ant.}}{Vu} \right) + \left(\frac{\text{Ant.}}{Vu} \right)^2}{2}$$

K1 = Depreciación en término porcentual

Ant. = Edad o antigüedad del Bien en años

Vu = Vida Técnica o Vida Útil del Bien

EJEMPLO

Estimando una Vida Útil de 10 años

a) La depreciación en 2 años: $K_1 = \frac{\left(\frac{2}{10}\right) + \left(\frac{2}{10}\right)^2}{2} = 12\%$

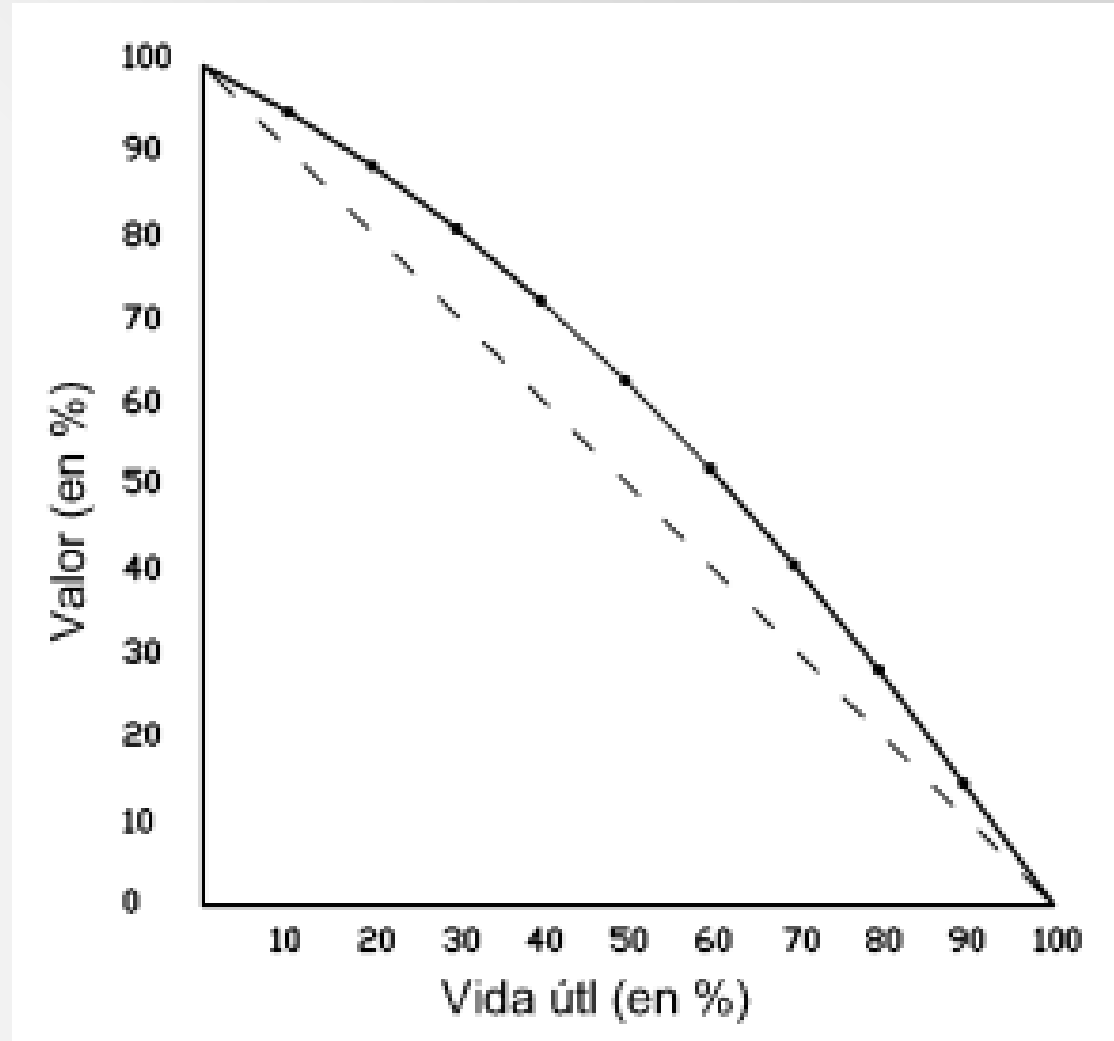
b) La depreciación en 4 años: $K_1 = \frac{\left(\frac{4}{10}\right) + \left(\frac{4}{10}\right)^2}{2} = 28\%$

c) La depreciación en 6 años: $K_1 = \frac{\left(\frac{6}{10}\right) + \left(\frac{6}{10}\right)^2}{2} = 48\%$



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Gráfico, Método de Ross



PROCEDIMIENTO LA “LÍNEA PARABÓLICA DE KUENTZLE INVERTIDA”

A continuación presentamos otro método en el que los coeficientes de depreciación forman una línea curva parabólica, utilizando el mismo procedimiento Kuentzle pero invirtiendo la curva. (Aporte del autor). Se representa a través de la ecuación:



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$$K1 = \sqrt[2]{\frac{Ant.}{Vu}} = \left(\frac{Ant}{Vu} \right)^{0,50}$$

K1 = Depreciación en término porcentual

Ant. = Edad o antigüedad del Bien en años

Vu = Vida Técnica o Vida Útil del Bien

EJEMPLO

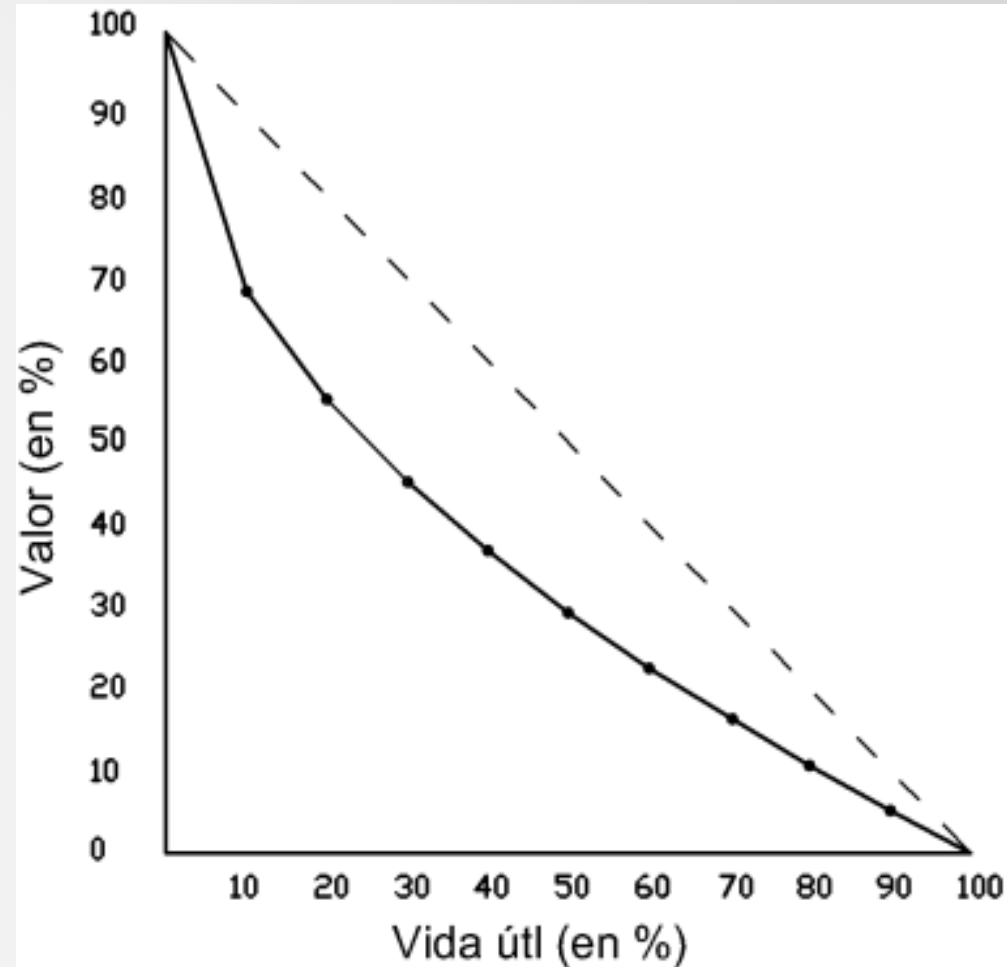
Estimando una Vida Útil de 10 años

a) La depreciación en 2 años: $K1 = \left(\frac{2}{10} \right)^{0,5} = 45\%$

b) La depreciación en 4 años: $K1 = \left(\frac{4}{10} \right)^{0,5} = 63\%$

c) La depreciación en 6 años: $K1 = \left(\frac{6}{10} \right)^{0,5} = 77\%$

Gráfico, Método de Kuentzle Invertida



PROCEDIMIENTO DE LA “LÍNEA PARABÓLICA DE ROSS INVERTIDA”

También el método de Ross Invertida es otro procedimiento en el que los coeficientes de depreciación forman una línea curva parabólica, utilizando el mismo procedimiento Ross pero invirtiendo la curva. (Aporte del autor). Se representa a través de la ecuación:

$$K1 = \frac{\left(\frac{\text{Ant.}}{Vu} \right) + \left(\frac{\text{Ant.}}{Vu} \right)^{0,50}}{2}$$

K1 = Depreciación en término porcentual

Ant. = Edad o antigüedad del Bien en años

Vu = Vida Técnica o Vida Útil del Bien

EJEMPLO

Estimando una Vida Útil de 10 años

a) La depreciación en 2 años:
$$K1 = \frac{\left(\frac{2}{10}\right) + \left(\frac{2}{10}\right)^{0,5}}{2} = 32\%$$

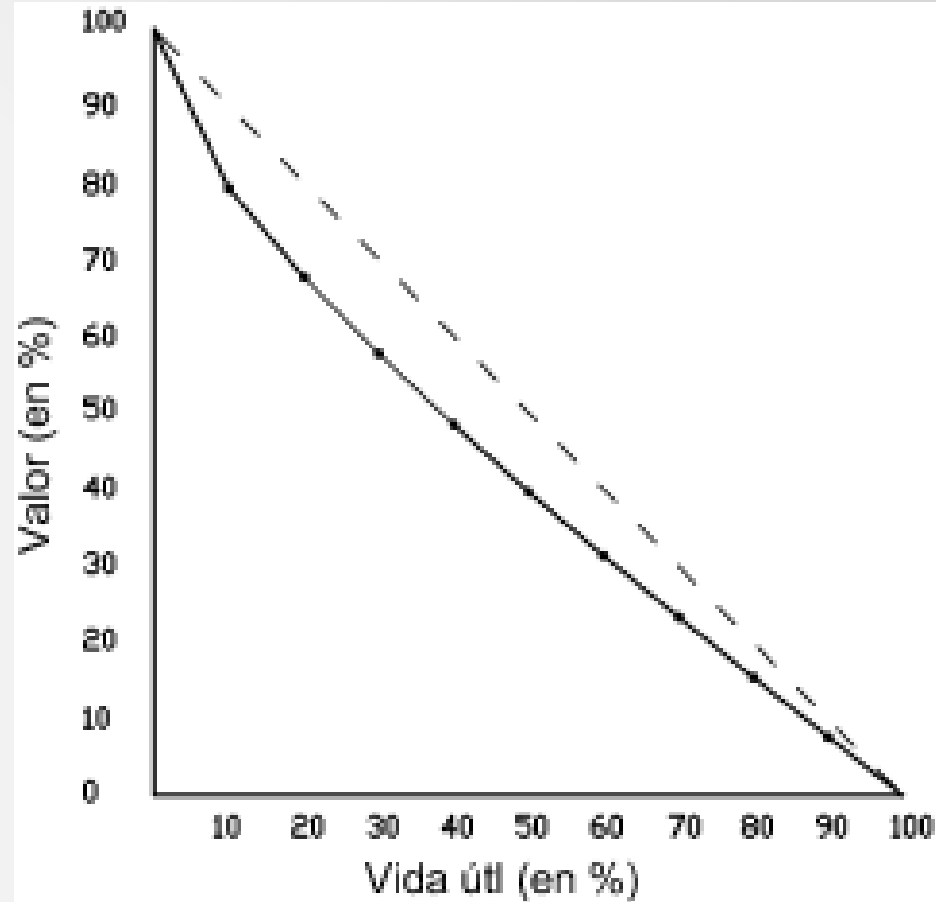
b) La depreciación en 4 años:
$$K1 = \frac{\left(\frac{4}{10}\right) + \left(\frac{4}{10}\right)^{0,5}}{2} = 52\%$$

c) La depreciación en 6 años:
$$K1 = \frac{\left(\frac{6}{10}\right) + \left(\frac{6}{10}\right)^{0,5}}{2} = 69\%$$



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Gráfico, Método de Ross Invertida





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PROCEDIMIENTO DE “COLE”



El método de “COLE”, también denominado el "Método de Serie" o la "Suma de los Dígitos", establece la depreciación en cada periodo de vida. El coeficiente de Depreciación K_1 se expresa en la ecuación:



$$K1 = \frac{N}{1 + 2 + 3 \dots + N} + \frac{N - 1}{1 + 2 + 3 \dots + N} + \frac{N - 2}{1 + 2 + 3 \dots + N} \dots + \frac{1}{1 + 2 + 3 \dots + N}$$

K1 = Coeficiente de Depreciación

N = Número de años de vida útil

1 + 2 + 3 + N = Es una progresión aritmética; se puede reemplazar por la fórmula a la suma de los términos:



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1 + 2 + 3 ... + N = Es una progresión aritmética; se puede reemplazar por la fórmula a la suma de los términos:

$$\frac{(1 + N) N}{2}$$

Siguiendo nuestro mismo Ejemplo:

Estimando siempre una Vida Técnica de 10 años:

a) La depreciación en 2 años:

$$K1 = \frac{10}{55} + \frac{9}{55} = 35\%$$

b) La depreciación en 4 años:

$$K1 = \frac{10}{55} + \frac{9}{55} + \frac{8}{55} + \frac{7}{55} = 62\%$$



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c) La depreciación en 6 años:

$$K1 = \frac{10}{55} + \frac{9}{55} + \frac{8}{55} + \frac{7}{55} + \frac{6}{55} + \frac{5}{55} = 82\%$$



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A efecto de la Tasación, el Valor actual (V_a), en función a la Antigüedad (K_1), se expresa en la siguiente ecuación:

$$V_a = VR - (VR - Vr) K_1 = ?$$



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Otra forma de expresar el "Método de Cole",
es a través de la expresión:

$$Va = VR - DA$$

$$DA = \frac{Ant. (2N - Ant. + 1) Dp}{2}$$

$$Dp = \frac{2 (VR - Vr)}{N (N + 1)}$$

Siendo cada componente:

Va = Valor Actual o Valor Depreciado.

VR = Valor de Reposición equivalente a nuevo.

Vr = Valor Residual.

DA = Depreciación Acumulada.

Dp = Factor de Depreciación Anual.

Ant. = Antigüedad en número de años.

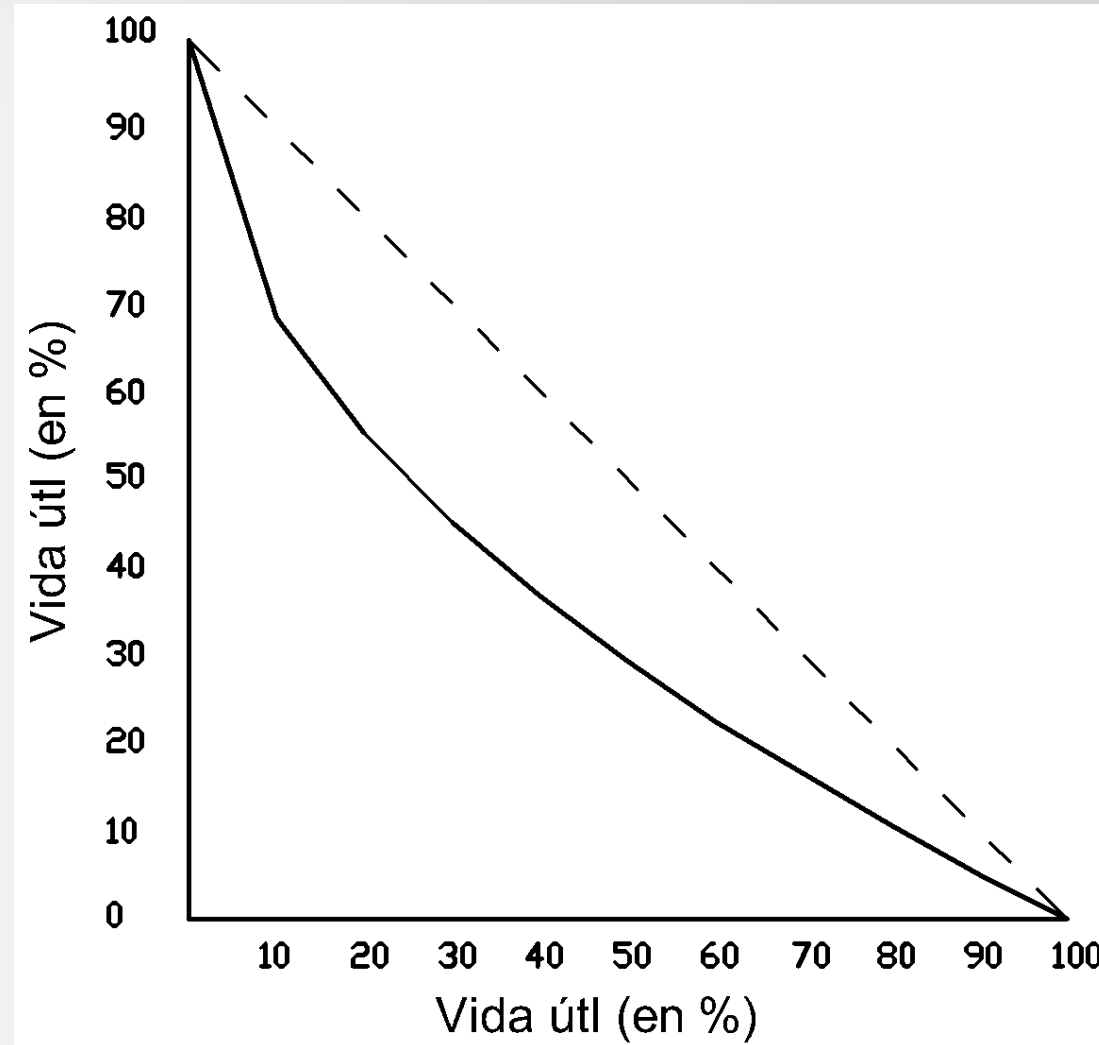
N = Número de años de Vida Útil (Vu).



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Gráfico Método de Cole





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PROCEDIMIENTO DE MATHESON

La formula de Matheson, también denominada “Porcentaje Constante”, este método establece una depreciación constante en porcentaje o Tasa de Depreciación (T). El Bien nunca llega al valor cero. Se expresa a través de la ecuación:

$$Va = VR \left(1 - T \right)^n$$

$$T = 1 - \sqrt[n]{\frac{Vu}{Vr}}$$

Siendo cada elemento:

V_a = Valor Actual o Valor Depreciado.

V_R = Valor de Reposición o Valor de Reemplazo.

T = Tasa de Depreciación.

n = Edad o Antigüedad en número de años (Ant.)

V_u = Vida Útil.

V_r = Valor Residual.



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Gráfico Método de Matheson

Partiendo de la hipótesis $T = 0,20$

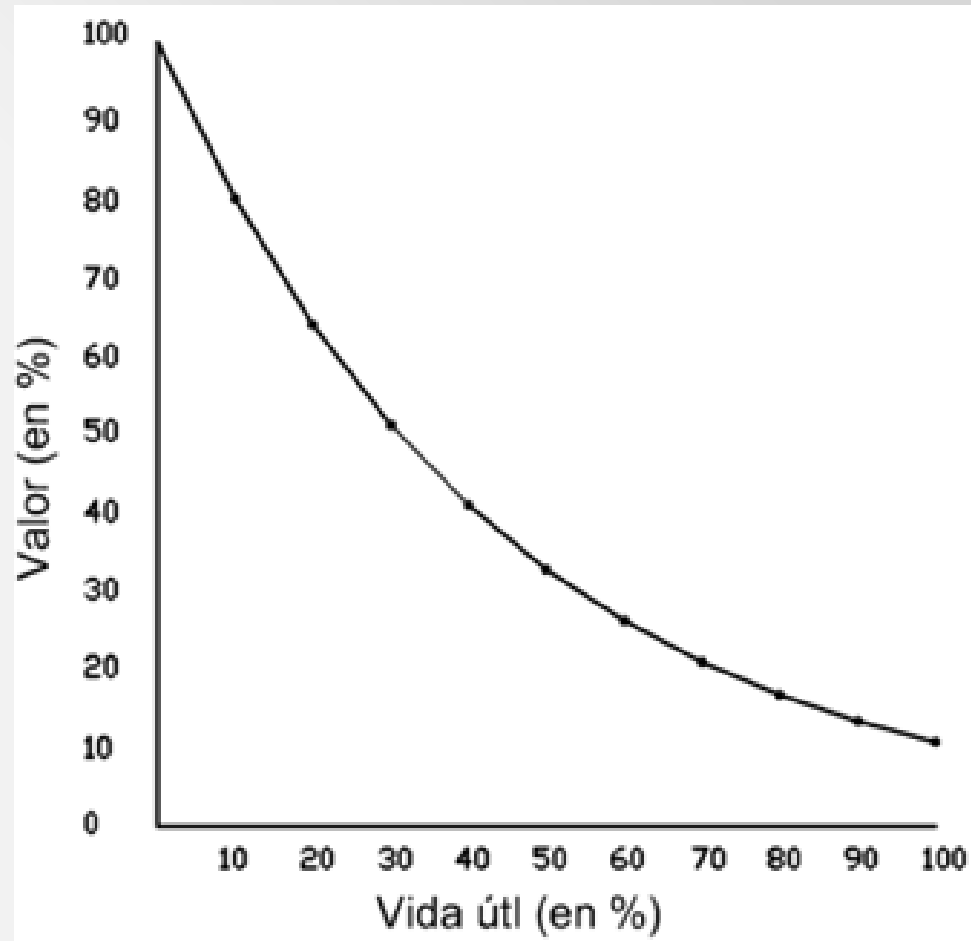
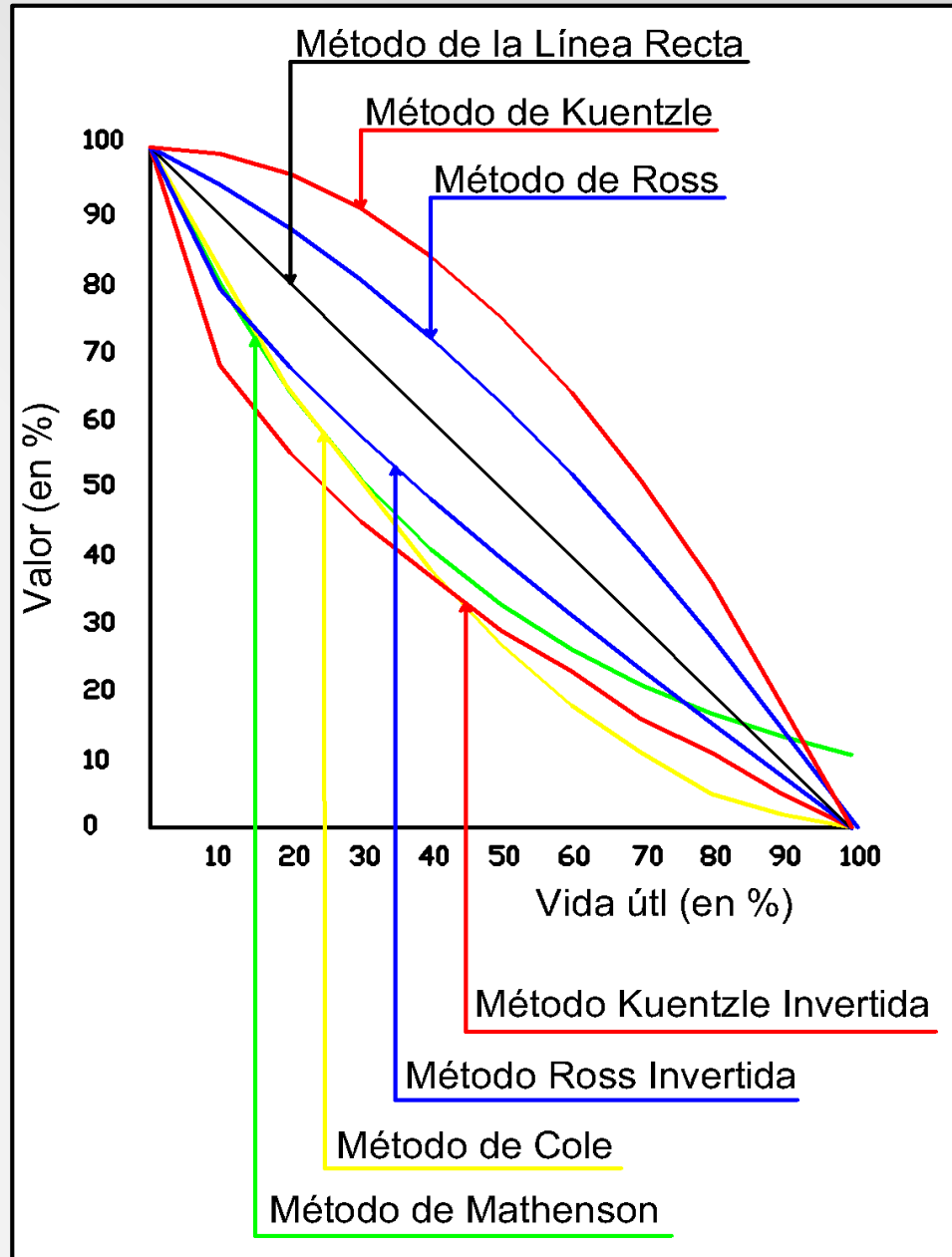


GRAFICO DEL CONJUNTO

En este grafico se pueden observar las distintas líneas o curvas de deprecación conforme a cada procedimiento.



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DEPRECIACIÓN POR ESTADO DE CONSERVACIÓN

Los métodos explicados hasta el momento es la Depreciación por Antigüedad (K1). El Estado de Conservación o Mantenimiento (K2) es un factor importante que aun no se ha considerado.

Además de las perdidas por la edad y/o por el uso normal del transcurrir del tiempo de un determinado Bien y/o Activo, se debe considerar el Estado de Conservación (K2), que son aquellos coeficientes de corrección o factores de ajuste que se adicionan a la depreciación, como ser:



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Conservación, Tipo Mantenimiento, Carga de Trabajo, Obsolescencia Tecnológica, Funcionalidad, Mercado etc., que se fundamentan básicamente en Tablas cuyo coeficiente se adicionan a los métodos precedentemente explicada y/o se aplican Formulas Fusionadas, como se muestran a continuación:

Tabla de Estado de Conservación, en base los datos de la Norma TTN 11.4 del Tribunal de Tasaciones de la Nación de la República Argentina.

TABLA QUE RELACIONA EL ESTADO DE CONSERVACIÓN		
ESTADO	CALIF.	COEF. (K2)
Nuevo	01	1,00
Entre Nuevo e Excelente	02	0,95
Excelente	03	0,90
Entre Excelente y Muy Bueno	04	0,85
Muy Bueno	05	0,80
Entre Muy Bueno y Bueno	06	0,75
Bueno	07	0,70
Entre Bueno y Normal	08	0,65
Normal	09	0,60
Entre Normal y Regular	10	0,55
Regular	11	0,50
Entre Regular Deficiente	12	0,45
Deficiente	13	0,40
Entre Deficiente y Recuperable	14	0,35
Recuperable	15	0,30
Entre Recuperable y Malo	16	0,25
Malo	17	0,20
Entre Malo y Rezago	18	0,15
Rezago	19	0,10
Rezago y Obsoleto	20	0,05
Obsoleto	21	0,00



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Las fórmulas anteriores con Coeficiente (**K1**), se combinan con el Coeficiente Estado de Conservación (**K2**), por ende las formulas anteriores se complementan.

Para los Métodos de la "**Línea Recta**"; Método de "**Kuentzle**"; Método de "**Ross**"; Método de "**Kuentzle Invertida**"; Método de "**Ross Invertida**" y "**Método de Cole**", todos combinados con el coeficiente que relaciona el estado de conservación (**K2**), que se formulan con las siguientes expresiones:

FORMULA "1"

$$V_a = \left[V_R - \left(V_R - V_r \right) K_1 \right] K_2 = ?$$

FORMULA "2"

$$V_a = \left[V_R \left(1 - \left[1 - r \right] \left[K_1 \right] \right) \right] K_2 = ?$$

FORMULA "3"

$$V_a = V_R \left[r + \left[1 - r \right] \left[1 - K_1 \right] \right] K_2 = ?$$

Otro Método de "Cole", combinado con (K2)

$$Va = (VR - DA) K2 = ?$$

$$DA = \frac{Ant \times (2N - Ant + 1) Dp}{2}$$

Para Método de "Matheson", combinado con (K2)

$$Va = VR (1 - T)^n K2 = ?$$

$$T = 1 - \sqrt[n]{\frac{Vu}{Vr}}$$

Donde:

V_a = Valor Actual ¿?

V_R = Valor de Reposición.

V_r = Valor Residual (5% a 20% de V_R).

r = Coeficiente del Valor Residual, en % o en fracción decimal (5% a 20%).

Ant = Antigüedad o Edad Cronológica.

V_u = Vida Útil.

K_1 = Coeficiente de depreciación que relaciona la Antigüedad y la Vida Útil.

K_2 = Coeficiente del Estado de Conservación.

T = Tasa de Depreciación.



CABE ACLARAR QUE EXISTEN OTROS PROCEDIMIENTOS Y/O MÉTODOS, COMO:



"LA VERSIÓN VENEZOLANA DE ROSS MODIFICADO".

"DE LA SOCIEDAD MEXICANA DE INGENIERÍA ECONÓMICA Y DE COSTO".

MÉTODO DE "MARSTON Y AGG".

DEPRECIACIÓN SEGÚN EL MÉTODO "ÍNDICE DE CRITICIDAD".

"MÉTODO DEL ING. HELIO ROBERTO DE CAIRES".

Entre Otros, que tienen también su Fórmula y Tabla, combinada y/o fusionada.

DEPRECIACIÓN POR ESTADO DE CONSERVACIÓN DE HEIDECKE

COEFICIENTE DE HEIDECKE: Los coeficientes de depreciación por estado de conservación (K2) de Heidecke es el resultado propuesto por el Ing. Erich Heidecke, para lo cual propuso nueve estado de conservación, valores en porcentajes. Los porcentajes que instituyó Heidecke, los fijó mediante experimentación que estableció por medio de las ecuaciones de la cicloide, que es la descrita por un punto de la circunferencia cuando ésta, sin resbalar, rueda sobre una recta situada en el plano cartesiano.



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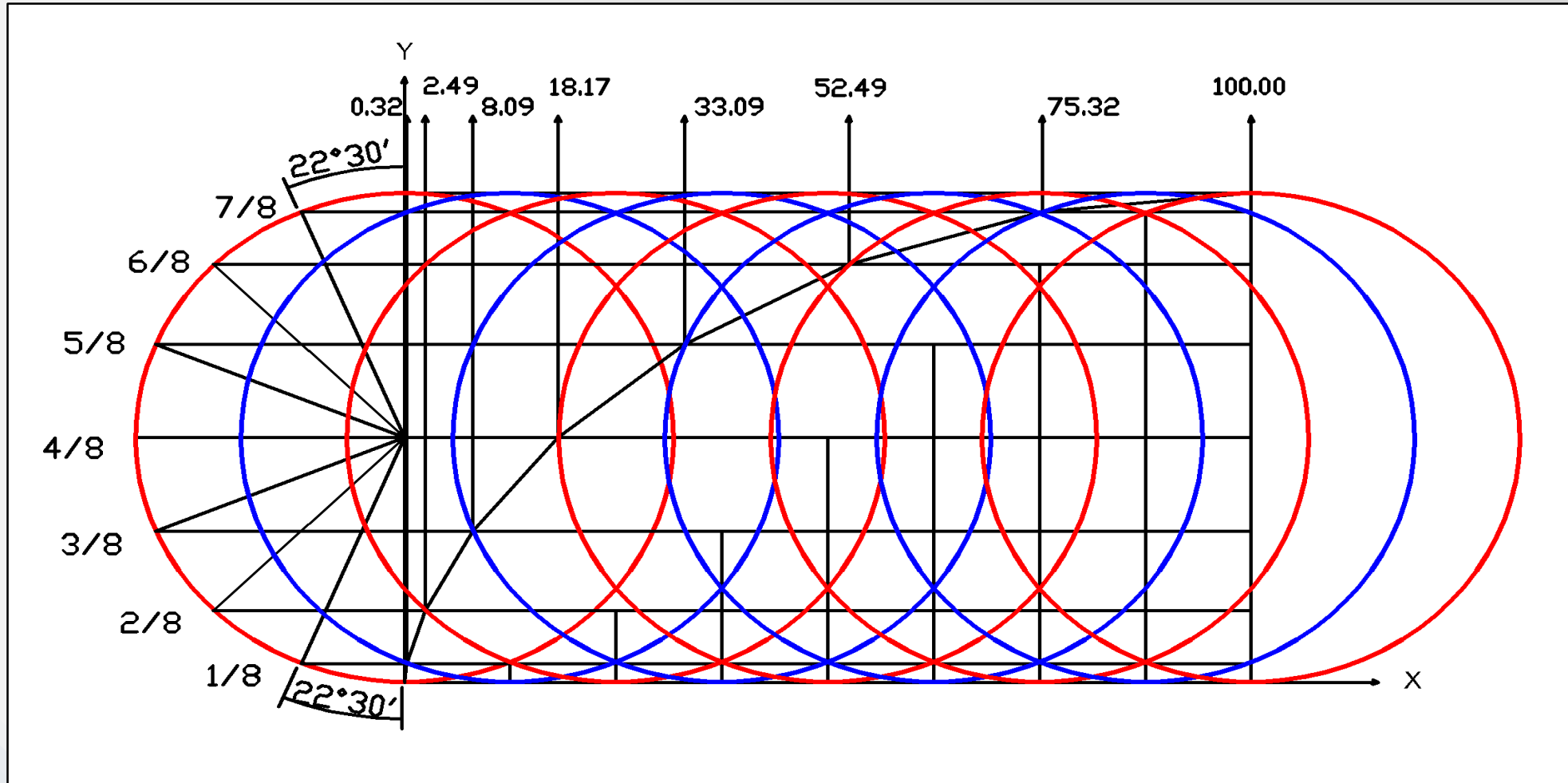


Estado		Tabla Heidecke del Estado de Conservación (K2) - Resultado del Cicloide	Coefficiente (K2)	Coefficiente Debe ser: (K2)
Estado 1	(a)	Nuevo: -----	0,00 %	0,00 %
Estado 1,5	(b)	Entre Nuevo y Conservación Normal. -----	0,032 %	0,32 %
Estado 2	(c)	Conservación Normal. -----	2,52 %	2,49 %
Estado 2,5	(d)	Entre Normal y necesita Reparos Simples. -----	8,09 %	8,09 %
Estado 3	(e)	Necesita reparos Simples. -----	18,10 %	18,17 %
Estado 3,5	(f)	Entre necesita reparos Simples e Importantes. -----	33,20 %	33,09 %
Estado 4	(g)	Necesita reparos Importantes. -----	52,60 %	52,49 %
Estado 4,5	(h)	Entre necesita Importantes Obsoleto. -----	75,20 %	75,32 %
Estado 5	(i)	Obsoletos: -----	100,00 %	100,00 %



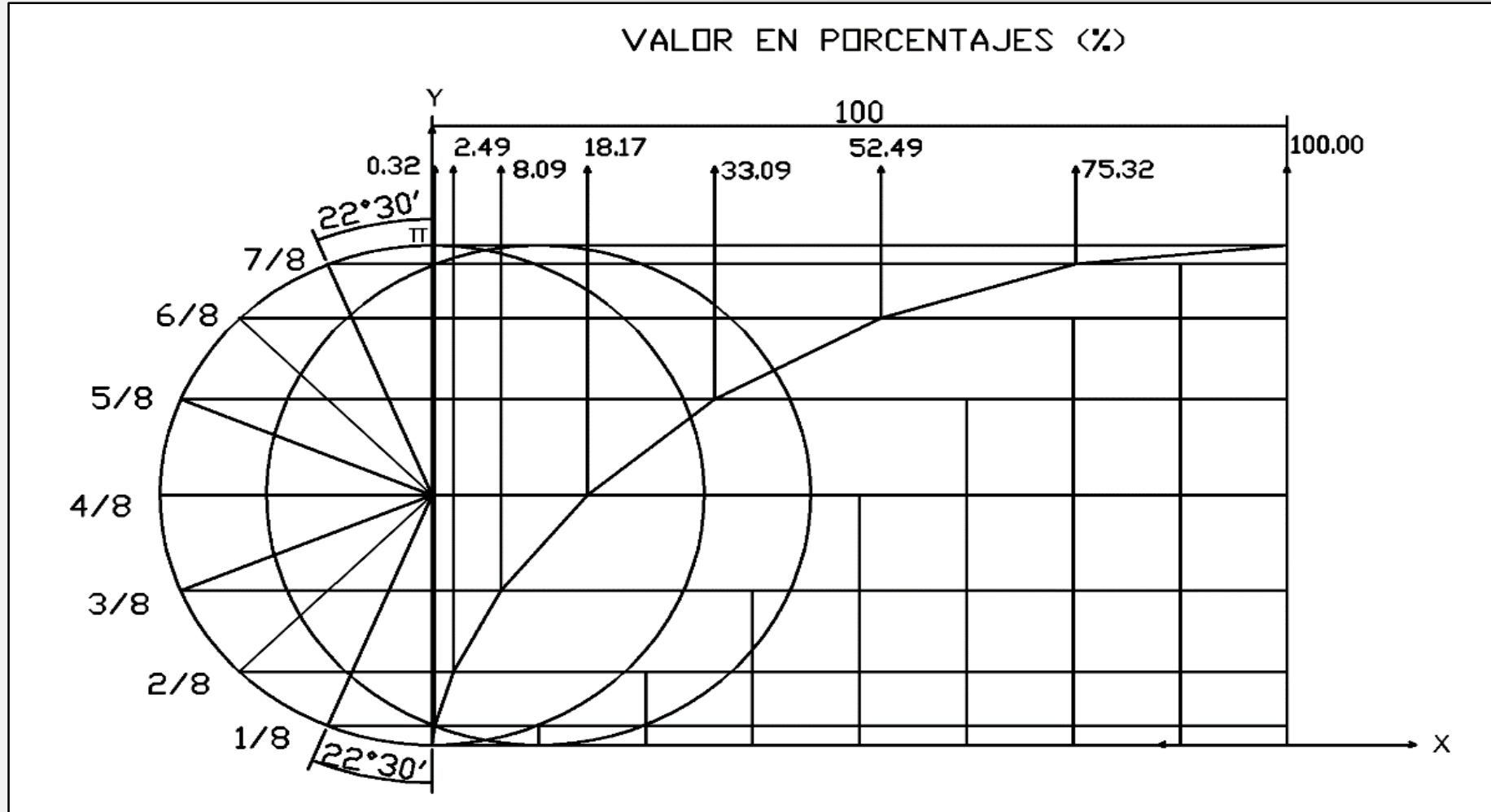
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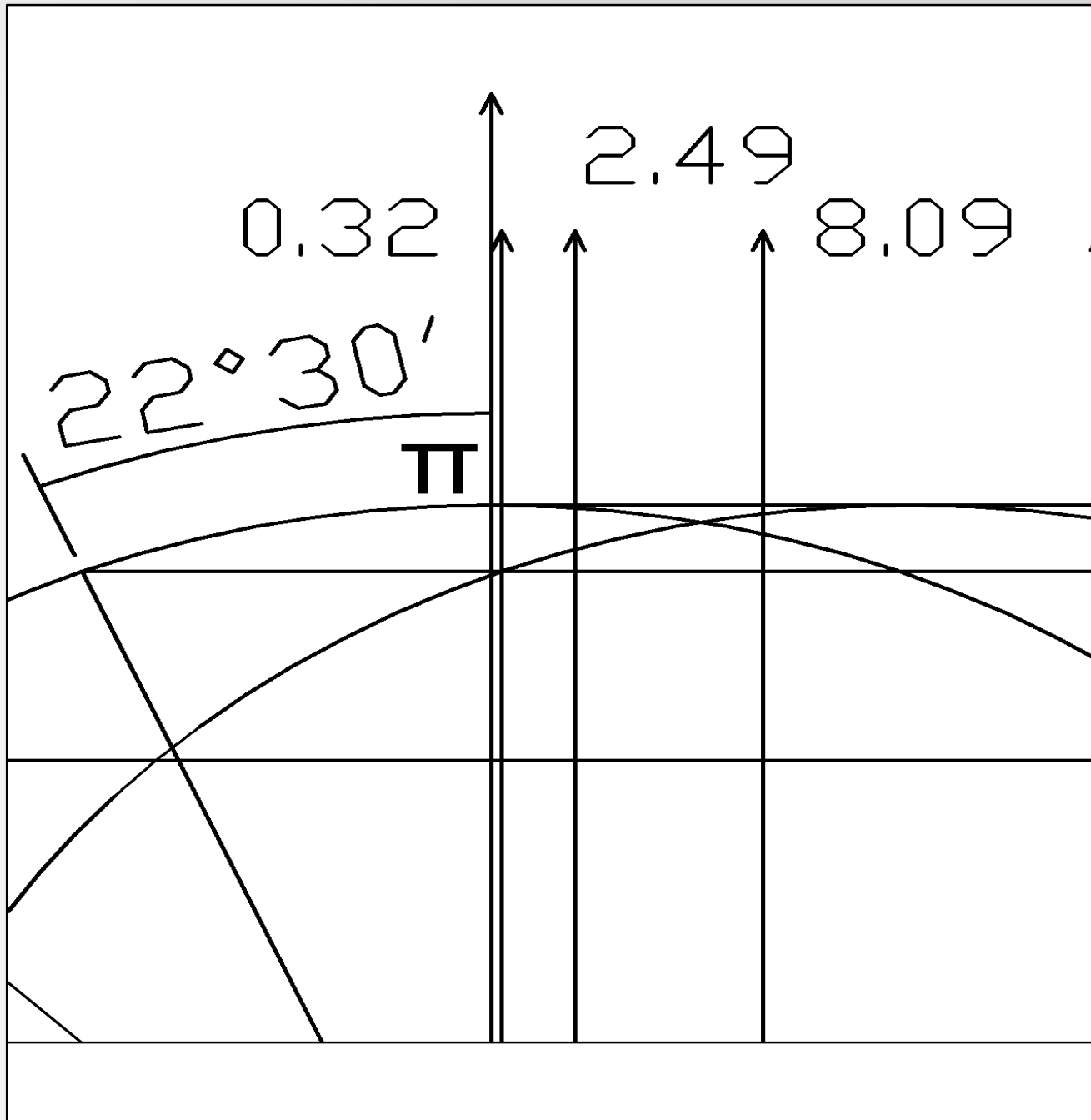
Gráfico del desarrollo de la Cicloide practicado en escala mediante la herramienta de Auto-Cad, con resultado igual que con la fórmula matemática.





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Fórmula Matemática para la determinación de los puntos de la cicloide: $X = r (w - \text{sen } w)$; $Y = r (1 + \text{cos } w)$

El Valor X (abscisa), es en porcentaje (%), tomando como la unidad (100%), la media circunferencia que rueda sobre la recta situada en el plano cartesiano.

$$\frac{\pi}{8} = 20^{\circ} 30'$$



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Estado	Angulo Central w	Angulo w en Radianes	Sen w	$X = r(w - \text{sen } w)$	$\frac{X}{\pi}$	$\frac{X}{\pi} \cdot 100$
1	0	0	0	0	0	0,00%
1,5	22° 30'	0,3926991	0,3826834	0,0100157	0,0032	0,32%
2	45°	0,7853982	0,7071068	0,0782914	0,0249	2,49%
2,5	67° 30'	1,1780972	0,9238795	0,2542177	0,0809	8,09%
3	90°	1,5707963	1,0000000	0,5707963	0,1817	18,17%
3,5	112° 30'	1,9634954	0,9238795	1,0396159	0,3309	33,09%
4	135°	2,3561945	0,7071068	1,6490877	0,5249	52,49%
4,5	157° 30'	2,7488936	0,3826834	2,3662102	0,7532	75,32%
5	180°	3,1415927	0,0000000	3,1415927	1,0000	100,00%



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Estado		Tabla Heidecke del Estado de Conservación (K2) - Resultado del Cicloide	Coeficiente (K2)
Estado 1	(a)	Nuevo: -----	0,00000
Estado 1,5	(b)	Entre Nuevo y Conservación Normal. -----	0,00320
Estado 2	(c)	Conservación Normal. -----	0,02490
Estado 2,5	(d)	Entre Normal y necesita Reparos Simples. -----	0,08090
Estado 3	(e)	Necesita reparos Simples. -----	0,18170
Estado 3,5	(f)	Entre necesita reparos Simples e Importantes. -----	0,33090
Estado 4	(g)	Necesita reparos Importantes. -----	0,52490
Estado 4,5	(h)	Entre necesita Importantes Obsoleto. -----	0,75320
Estado 5	(i)	Obsoletos: -----	1,00000



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Fusionando los coeficientes, por Antigüedad (K1), y con Estado de Conservación (K2) de la Tabla Heidecke, toma la expresión:

$$K = K1 + (1 - K1) K2$$

K2 = Coeficiente de Estado (Tabla Heidecke)

K1 = Puede ser cualquiera de las expresiones.



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$$K1 = \frac{\text{Ant.}}{Vu} \text{ ----- (Método de Línea Recta)}$$

$$K1 = \left(\frac{\text{Ant.}}{Vu} \right)^2 \text{ ----- (Método de Kuentzle)}$$

$$K1 = \frac{\left(\frac{\text{Ant.}}{Vu} \right) + \left(\frac{\text{Ant.}}{Vu} \right)^2}{2} \text{ ----- (Método de Ross)}$$



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$$K1 = \sqrt{2 \frac{\text{Ant.}}{Vu}} = \left(\frac{\text{Ant.}}{Vu} \right)^{0,5} \text{ --- (Método de Kuentzle Invertida)}$$

$$K1 = \frac{\left(\frac{\text{Ant.}}{Vu} \right) + \left(\frac{\text{Ant.}}{Vu} \right)^{0,5}}{2} \text{ ----- (Método de Ross Invertida)}$$

COEFICIENTE (K): Método Línea “Recta – Heidecke”

$$K = \frac{\text{Ant.}}{V_u} + \left(1 - \frac{\text{Ant.}}{V_u} \right) K_2 = ?$$

COEFICIENTE (K): Método “Kuentzle – Heidecke”

$$K = \left(\frac{\text{Ant.}}{V_u} \right)^2 + \left(1 - \left(\frac{\text{Ant.}}{V_u} \right)^2 \right) K_2 = ?$$

COEFICIENTE (K): Método “Ross – Heidecke”

$$K = \frac{\left(\frac{\text{Ant.}}{V_u}\right) + \left(\frac{\text{Ant.}}{V_u}\right)^2}{2} + \left(1 - \frac{\left(\frac{\text{Ant.}}{V_u}\right) + \left(\frac{\text{Ant.}}{V_u}\right)^2}{2}\right) K_2 = ?$$

COEFICIENTE (K): Método “Kuentzle Invertida – Heidecke”

$$K = \left(\frac{\text{Ant}}{V_u}\right)^{0,5} + \left(1 - \left(\frac{\text{Ant}}{V_u}\right)^{0,5}\right) K_2 = ?$$



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COEFICIENTE (K): Método “Ross Invertida – Heidecke”

$$K = \frac{\left(\frac{\text{Ant.}}{Vu}\right) + \left(\frac{\text{Ant.}}{Vu}\right)^{0,5}}{2} + \left(1 - \frac{\left(\frac{\text{Ant.}}{Vu}\right) + \left(\frac{\text{Ant.}}{Vu}\right)^{0,5}}{2}\right) K2 = ?$$

Formula simplificada el calculo del Valor Actual (Va)

$$Va = VR - (VR - Vr) K = ?$$

Donde:

Va = Valor Actual.

VR = Valor de Reposición.

Vr = Valor Residual

K = Coeficiente de Depreciación, considerando la Antigüedad K1 (Por distintos procedimientos) y el Estado de Conservación según Heidecke K2.

EJEMPLO PRACTICO

Se desea conocer el valor actual de una Máquina, que tiene una antigüedad de 10 años, en muy buen estado normal de conservación (Estado “2” o “c” = 0,0249, según Heidecke), se estima una Vida Útil de 25 años y se presume un Valor Residual del 10 % del el Valor de Reposición a Nuevo (VRN). En el mercado se ofrece hoy U\$S 100.000 por un equipo nuevo de similar característica.

Datos:

Va = Valor Actual ¿?

VR = Valor de Reposición: U\$S 100.000.

Vr = Valor Residual U\$S 10.000.

r = (5% a 20%) o en fracción, para el caso específico (0,10)

Ant = Antigüedad o Edad Cronológica 10 años.

Vu = Vida Útil: 25 años.

K1 = Coeficiente de depreciación que relaciona la Antigüedad y la Vida Útil.

K2 = Coeficiente del Estado de “Conservación Normal” (0,0249) de la Tabla Heidecke.



ASOCIACIÓN DE VALUADORES Y PERITOS
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MÉTODO DE “LÍNEA RECTA – HEIDECKE”

FÓRMULA

$$V_a = V_R - (V_R - V_r) K = ?$$

Coeficiente (K), Método “Línea Recta – Heidecke”

$$K = \frac{\text{Ant.}}{V_u} + \left(1 - \frac{\text{Ant.}}{V_u} \right) K_2 = ?$$

$$K = \frac{10}{25} + \left(1 - \frac{10}{25} \right) 0,0249 = 0,41494$$

$$V_a = 100.000 - \left(100.000 - 10.000 \right) 0,41494 = 62.655$$



ASOCIACIÓN DE VALUADORES Y PERITOS
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MÉTODO DE “KUENTZLE – HEIDECKE”

FÓRMULA

$$V_a = V_R - \left(V_R - V_r \right) K = ?$$

Coeficiente (K), Método “Kuentzle – Heidecke”

$$K = \left(\frac{\text{Ant.}}{V_u} \right)^2 + \left(1 - \left(\frac{\text{Ant.}}{V_u} \right)^2 \right) K_2 = ?$$

$$K = \left(\frac{10}{25} \right)^2 + \left(1 - \left(\frac{10}{25} \right)^2 \right) 0,0249 = 0,18092$$

$$V_a = 100.000 - \left(100.000 - 10.000 \right) 0,18092 = 83.718$$



ASOCIACIÓN DE VALUADORES Y PERITOS
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MÉTODO DE “ROSS – HEIDECKE”

FÓRMULA

$$V_a = V_R - \left(V_R - V_r \right) K = ?$$

Coeficiente (K), “Método Ross – Heidecke”

$$K = \frac{\left(\frac{\text{Ant.}}{V_u} \right) + \left(\frac{\text{Ant.}}{V_u} \right)^2}{2} + \left(1 - \frac{\left(\frac{\text{Ant.}}{V_u} \right) + \left(\frac{\text{Ant.}}{V_u} \right)^2}{2} \right) K_2 = ?$$

$$K = \frac{\left(\frac{10}{25} \right) + \left(\frac{10}{25} \right)^2}{2} + \left(1 - \frac{\left(\frac{10}{25} \right) + \left(\frac{10}{25} \right)^2}{2} \right) 0,0249 = 0,29793$$

$$V_a = 100.000 - \left(100.000 - 10.000 \right) 0,29793 = 73.186$$



ASOCIACIÓN DE VALUADORES Y PERITOS
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MÉTODO DE “KUENTZLE INVERTIDO – HEIDECKE”

FÓRMULA

$$Va = VR - \left(VR - Vr \right) K = ?$$

Coeficiente (K), Método “Kuentzle Invertido – Heidecke”

$$K = \left(\frac{Ant}{Vu} \right)^{0,5} + \left(1 - \left(\frac{Ant}{Vu} \right)^{0,5} \right) K2 = ?$$

$$K = \left(\frac{10}{25} \right)^{0,5} + \left(1 - \left(\frac{10}{25} \right)^{0,5} \right) 0,0249 = 0,64161$$

$$Va = 100.000 - \left(100.000 - 10.000 \right) 0,64161 = 42.255$$



ASOCIACIÓN DE VALUADORES Y PERITOS
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MÉTODO DE “ROSS INVERTIDO – HEIDECKE”

FÓRMULA

$$V_a = V_R - \left(V_R - V_r \right) K = ?$$

Coeficiente (K), Método “Ross Invertida – Heidecke”

$$K = \frac{\left(\frac{\text{Ant.}}{V_u} \right) + \left(\frac{\text{Ant.}}{V_u} \right)^{0,5}}{2} + \left(1 - \frac{\left(\frac{\text{Ant.}}{V_u} \right) + \left(\frac{\text{Ant.}}{V_u} \right)^{0,5}}{2} \right) K_2 = ?$$

$$K = \frac{\left(\frac{10}{25} \right) + \left(\frac{10}{25} \right)^{0,5}}{2} + \left(1 - \frac{\left(\frac{10}{25} \right) + \left(\frac{10}{25} \right)^{0,5}}{2} \right) 0,0249 = 0,52827$$

$$V_a = 100.000 - \left(100.000 - 10.000 \right) 0,52827 = 52.455$$

Cabe destacar que el Coeficiente (**K**) se halla tabulado en las expresiones de “**Lina Recta-Heidecke**”; “**Kuentzle-Heidecke**”; “**Ross-Heidecke**”; “**Kuentzle Invertía-Heidecke**” y “**Ross Invertía-Heidecke**”, mencionadas precedentemente, (Ver Anexo). La Tabla de doble entrada, que en función del porcentaje de vida transcurrida y del estado de conservación, se obtiene en forma directa el coeficiente “**K**”. Es muy importante destacar que las tablas no presentan la edad sino la edad sobre la Vida Técnica, es decir el porcentaje de la Vida Transcurrida.



ASOCIACIÓN DE VALUADORES Y PERITOS
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Corroborando nuestro ejemplo: con el resultado del Coeficiente (**K**) obtenido mediante la Tabla, para el efecto repetimos nuestro Ejemplo: Se desea conocer el valor actual de una Maquina, que tiene una antigüedad de 10 años, en muy buen estado de conservación (Estado “2” O “c” = 0,0249, según Heidecke), se estima una Vida Útil de 25 años y se presume un Valor Residual del 10 % del el Valor de Reposición a Nuevo (VRN). En el mercado se ofrece hoy U\$S 100.000 un equipo nuevo de similar característica.



ASOCIACIÓN DE VALUADORES Y PERITOS
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Recordemos nuestra Formula:

$$Va = VR - \left(VR - Vr \right) K = ?$$

Datos:

Va = Valor Actual ¿?

VR = Valor de Reposición: U\$S 100.000.

Vr = Valor Residual: U\$S 10.000.

Ant = Antigüedad o Edad Cronológica 10 años.

Vu = Vida Útil: 25 años.

K1 = Coeficiente de depreciación que relaciona la Antigüedad y la Vida Útil.

K2 = Coeficiente del Estado de Conservación Normal (0,0249) de la Tabla Heidecke.

Porcentaje de Antigüedad: $\frac{Ant}{Vu} = \frac{10}{25} = 40\%$

El coeficiente (K) no hace falta calcular, mediante las distintas formulas explicadas precedentemente, se simplifica mediante las Tablas. En la primera columna (% de Vida) donde se halla en el caso particular de nuestro ejercicio el (40%), se corre hasta la columna (Estado "c") de conservación normal, donde obtendremos el resultado del coemitente "K", en cada Tabla, para los diferentes métodos en particular.

De la Tabla "Línea Recta - Heidecke", coeficiente K = 0,41494

$$Va = 100.000 - \left(100.000 - 10.000 \right) 0,41494 = 62.655$$

De la Tabla "Kuentzle - Heidecke", coeficiente K = 0,18092

$$Va = 100.000 - \left(100.000 - 10.000 \right) 0,18092 = 83.717$$

De la Tabla "Ross - Heidecke", coeficiente K = 0,29793

$$Va = 100.000 - \left(100.000 - 10.000 \right) 0,29793 = 73.186$$

De la Tabla "Kuentzle Invertida - Heidecke", coeficiente $K = 0,64161$

$$Va = 100.000 - \left(100.000 - 10.000 \right) 0,64161 = 42.255$$

De la Tabla "Ross Invertida - Heidecke", coeficiente $K = 0,52827$

$$Va = 100.000 - \left(100.000 - 10.000 \right) 0,52827 = 52.456$$

Por los procedimientos simplificados de utilizar la Tabla para el coeficiente "K", los resultados son Iguales.

TABLAS DE LA SIGUIENTES LÍNEAS

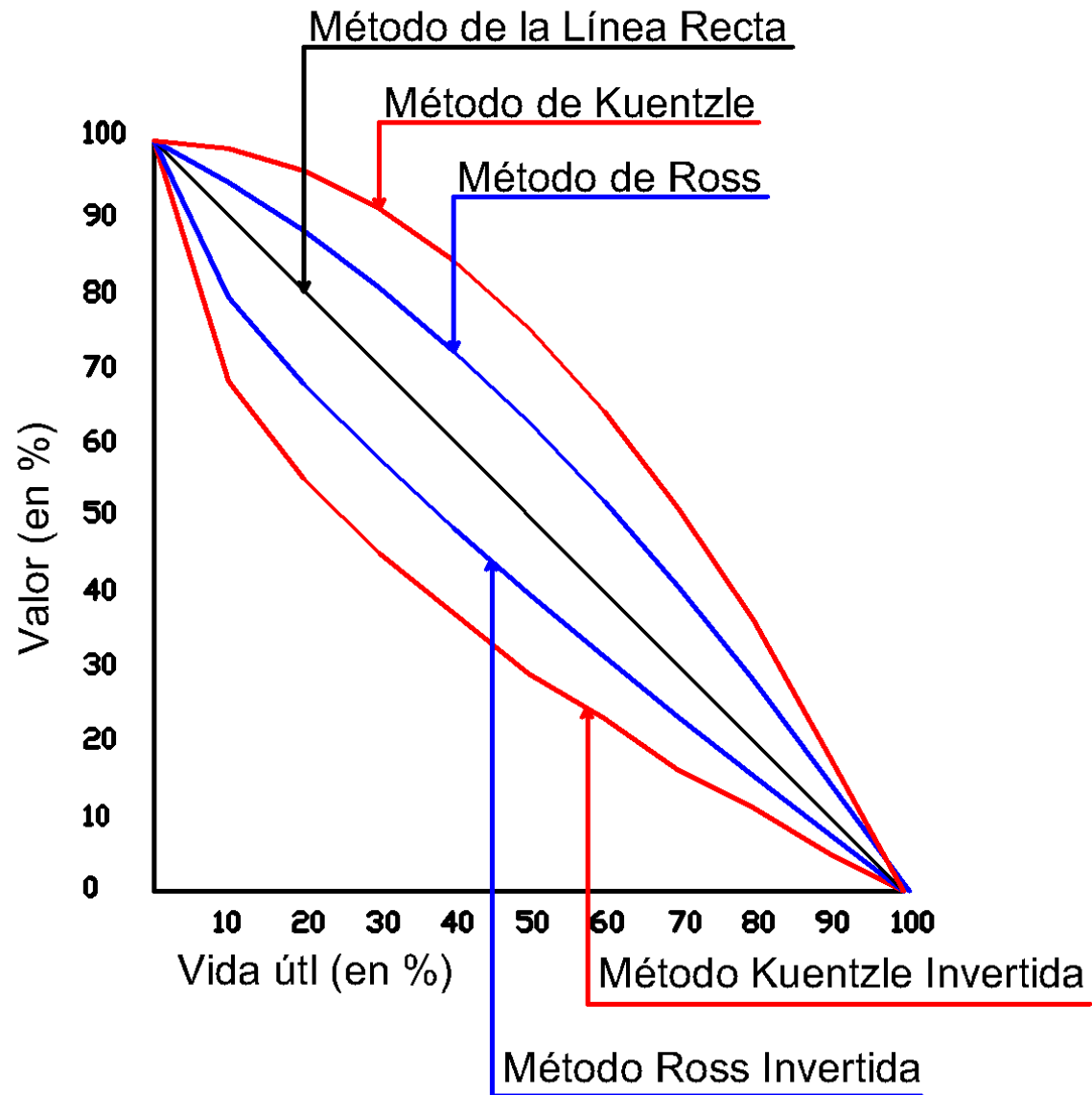


Tabla “Línea Recta – Heidecke”

Tabla “Kuentzle – Heidecke”

Tabla “Ross – Heidecke”

Tabla “Kuentzle Invertida - Heidecke”

Tabla “Ross Invertida – Heidecke”



ASOCIACIÓN DE VALUADORES Y PERITOS
DE INGENIERÍA DEL PARAGUAY
(AVPIP)

TABLA: LÍNEA RECTA - HEIDECKE										
DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO										
PRACTICADO POR JANS										
Estado a:	Nuevo				Estado e:				Necesita Reparos Simples	
Estado b:	Entre Nuevo y Conservación Normal				Estado f:				Entre Necesita Reparos Simples e Importantes	
Estado c:	Conservación Normal				Estado g:				Necesita Reparos Importantes	
Estado d:	Entre Normal y Necesita Reparos Simples				Estado h:				Entre Reparos Importantes y Obsoletos	
	Estado i:				Obsoletos					
Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %									
	a	b	c	d	e	f	g	h	i	
001	1,000	1,317	3,465	9,811	18,988	33,759	52,965	75,567	100,000	
002	2,000	2,314	4,440	10,722	19,807	34,428	53,440	75,814	100,000	
003	3,000	3,310	5,415	11,633	20,625	35,097	53,915	76,060	100,000	
004	4,000	4,307	6,390	12,544	21,443	35,766	54,390	76,307	100,000	
005	5,000	5,304	7,366	13,455	22,262	36,436	54,866	76,554	100,000	
006	6,000	6,301	8,341	14,366	23,080	37,105	55,341	76,801	100,000	
007	7,000	7,298	9,316	15,277	23,898	37,774	55,816	77,048	100,000	
008	8,000	8,294	10,291	16,188	24,716	38,443	56,291	77,294	100,000	
009	9,000	9,291	11,266	17,099	25,535	39,112	56,766	77,541	100,000	
010	10,000	10,288	12,241	18,010	26,353	39,781	57,241	77,788	100,000	
011	11,000	11,285	13,216	18,921	27,171	40,450	57,716	78,035	100,000	
012	12,000	12,282	14,191	19,832	27,990	41,119	58,191	78,282	100,000	
013	13,000	13,278	15,166	20,743	28,808	41,788	58,666	78,528	100,000	
014	14,000	14,275	16,141	21,654	29,626	42,457	59,141	78,775	100,000	
015	15,000	15,272	17,117	22,565	30,445	43,127	59,617	79,022	100,000	
016	16,000	16,269	18,092	23,476	31,263	43,796	60,092	79,269	100,000	
017	17,000	17,266	19,067	24,387	32,081	44,465	60,567	79,516	100,000	
018	18,000	18,262	20,042	25,298	32,899	45,134	61,042	79,762	100,000	
019	19,000	19,259	21,017	26,209	33,718	45,803	61,517	80,009	100,000	
020	20,000	20,256	21,992	27,120	34,536	46,472	61,992	80,256	100,000	
021	21,000	21,253	22,967	28,031	35,354	47,141	62,467	80,503	100,000	
022	22,000	22,250	23,942	28,942	36,173	47,810	62,942	80,750	100,000	
023	23,000	23,246	24,917	29,853	36,991	48,479	63,417	80,996	100,000	
024	24,000	24,243	25,892	30,764	37,809	49,148	63,892	81,243	100,000	
025	25,000	25,240	26,868	31,675	38,628	49,818	64,368	81,490	100,000	
026	26,000	26,237	27,843	32,586	39,446	50,487	64,843	81,737	100,000	
027	27,000	27,234	28,818	33,497	40,264	51,156	65,318	81,984	100,000	
028	28,000	28,230	29,793	34,408	41,082	51,825	65,793	82,230	100,000	
029	29,000	29,227	30,768	35,319	41,901	52,494	66,268	82,477	100,000	
030	30,000	30,224	31,743	36,230	42,719	53,163	66,743	82,724	100,000	
031	31,000	31,221	32,718	37,141	43,537	53,832	67,218	82,971	100,000	
032	32,000	32,218	33,693	38,052	44,356	54,501	67,693	83,218	100,000	
033	33,000	33,214	34,668	38,963	45,174	55,170	68,168	83,464	100,000	
034	34,000	34,211	35,643	39,874	45,992	55,839	68,643	83,711	100,000	
035	35,000	35,208	36,618	40,785	46,811	56,509	69,119	83,958	100,000	
036	36,000	36,205	37,594	41,696	47,629	57,178	69,594	84,205	100,000	
037	37,000	37,202	38,569	42,607	48,447	57,847	70,069	84,452	100,000	
038	38,000	38,198	39,544	43,518	49,265	58,516	70,544	84,698	100,000	
039	39,000	39,195	40,519	44,429	50,084	59,185	71,019	84,945	100,000	
040	40,000	40,192	41,494	45,340	50,902	59,854	71,494	85,192	100,000	
041	41,000	41,189	42,469	46,251	51,720	60,523	71,969	85,439	100,000	
042	42,000	42,186	43,444	47,162	52,539	61,192	72,444	85,686	100,000	
043	43,000	43,182	44,419	48,073	53,357	61,861	72,919	85,932	100,000	
044	44,000	44,179	45,394	48,984	54,175	62,530	73,394	86,179	100,000	
045	45,000	45,176	46,370	49,895	54,994	63,200	73,870	86,426	100,000	
046	46,000	46,173	47,345	50,806	55,812	63,869	74,345	86,673	100,000	
047	47,000	47,170	48,320	51,717	56,630	64,538	74,820	86,920	100,000	
048	48,000	48,166	49,295	52,628	57,448	65,207	75,295	87,166	100,000	
049	49,000	49,163	50,270	53,539	58,267	65,876	75,770	87,413	100,000	
050	50,000	50,160	51,245	54,450	59,085	66,545	76,245	87,660	100,000	





ASOCIACIÓN DE VALUADORES Y PERITOS
DE INGENIERÍA DEL PARAGUAY
(AVPIP)



TABLA: LÍNEA RECTA - HEIDECKE DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO									
PRACTICADO POR JANS									
Estado a:	Nuevo	Estado e:	Necesita Reparos Simples						
Estado b:	Entre Nuevo y Conservación Normal	Estado f:	Entre Necesita Reparos Simples e Importantes						
Estado c:	Conservación Normal	Estado g:	Necesita Reparos Importantes						
Estado d:	Entre Normal y Necesita Reparos Simples	Estado h:	Entre Reparos Importantes y Obsoletos						
		Estado i:	Obsoletos						
Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	a	b	c	d	e	f	g	h	i
051	51,000	51,157	52,220	55,361	59,903	67,214	76,720	87,907	100,000
052	52,000	52,154	53,195	56,272	60,722	67,883	77,195	88,154	100,000
053	53,000	53,150	54,170	57,183	61,540	68,552	77,670	88,400	100,000
054	54,000	54,147	55,145	58,094	62,358	69,221	78,145	88,647	100,000
055	55,000	55,144	56,121	59,005	63,177	69,891	78,621	88,894	100,000
056	56,000	56,141	57,096	59,916	63,995	70,560	79,096	89,141	100,000
057	57,000	57,138	58,071	60,827	64,813	71,229	79,571	89,388	100,000
058	58,000	58,134	59,046	61,738	65,631	71,898	80,046	89,634	100,000
059	59,000	59,131	60,021	62,649	66,450	72,567	80,521	89,881	100,000
060	60,000	60,128	60,996	63,560	67,268	73,236	80,996	90,128	100,000
061	61,000	61,125	61,971	64,471	68,086	73,905	81,471	90,375	100,000
062	62,000	62,122	62,946	65,382	68,905	74,574	81,946	90,622	100,000
063	63,000	63,118	63,921	66,293	69,723	75,243	82,421	90,868	100,000
064	64,000	64,115	64,896	67,204	70,541	75,912	82,896	91,115	100,000
065	65,000	65,112	65,872	68,115	71,360	76,582	83,372	91,362	100,000
066	66,000	66,109	66,847	69,026	72,178	77,251	83,847	91,609	100,000
067	67,000	67,106	67,822	69,937	72,996	77,920	84,322	91,856	100,000
068	68,000	68,102	68,797	70,848	73,814	78,589	84,797	92,102	100,000
069	69,000	69,099	69,772	71,759	74,633	79,258	85,272	92,349	100,000
070	70,000	70,096	70,747	72,670	75,451	79,927	85,747	92,596	100,000
071	71,000	71,093	71,722	73,581	76,269	80,596	86,222	92,843	100,000
072	72,000	72,090	72,697	74,492	77,088	81,265	86,697	93,090	100,000
073	73,000	73,086	73,672	75,403	77,906	81,934	87,172	93,336	100,000
074	74,000	74,083	74,647	76,314	78,724	82,603	87,647	93,583	100,000
075	75,000	75,080	75,623	77,225	79,543	83,273	88,123	93,830	100,000
076	76,000	76,077	76,598	78,136	80,361	83,942	88,598	94,077	100,000
077	77,000	77,074	77,573	79,047	81,179	84,611	89,073	94,324	100,000
078	78,000	78,070	78,548	79,958	81,997	85,280	89,548	94,570	100,000
079	79,000	79,067	79,523	80,869	82,816	85,949	90,023	94,817	100,000
080	80,000	80,064	80,498	81,780	83,634	86,618	90,498	95,064	100,000
081	81,000	81,061	81,473	82,691	84,452	87,287	90,973	95,311	100,000
082	82,000	82,058	82,448	83,602	85,271	87,956	91,448	95,558	100,000
083	83,000	83,054	83,423	84,513	86,089	88,625	91,923	95,804	100,000
084	84,000	84,051	84,398	85,424	86,907	89,294	92,398	96,051	100,000
085	85,000	85,048	85,374	86,335	87,726	89,964	92,874	96,298	100,000
086	86,000	86,045	86,349	87,246	88,544	90,633	93,349	96,545	100,000
087	87,000	87,042	87,324	88,157	89,362	91,302	93,824	96,792	100,000
088	88,000	88,038	88,299	89,068	90,180	91,971	94,299	97,038	100,000
089	89,000	89,035	89,274	89,979	90,999	92,640	94,774	97,285	100,000
090	90,000	90,032	90,249	90,890	91,817	93,309	95,249	97,532	100,000
091	91,000	91,029	91,224	91,801	92,635	93,978	95,724	97,779	100,000
092	92,000	92,026	92,199	92,712	93,454	94,647	96,199	98,026	100,000
093	93,000	93,022	93,174	93,623	94,272	95,316	96,674	98,272	100,000
094	94,000	94,019	94,149	94,534	95,090	95,985	97,149	98,519	100,000
095	95,000	95,016	95,125	95,445	95,909	96,655	97,625	98,766	100,000
096	96,000	96,013	96,100	96,356	96,727	97,324	98,100	99,013	100,000
097	97,000	97,010	97,075	97,267	97,545	97,993	98,575	99,260	100,000
098	98,000	98,006	98,050	98,178	98,363	98,662	99,050	99,506	100,000
099	99,000	99,003	99,025	99,089	99,182	99,331	99,525	99,753	100,000
100	100,000	100,288	100,000	100,000	100,000	100,000	100,000	100,000	100,000



ASOCIACIÓN DE VALUADORES Y PERITOS
DE INGENIERÍA DEL PARAGUAY
(AVPIP)



TABLA: KUENTZLE - HEIDECKE									
DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO									
PRACTICADO POR JANS									
Estado a:	Nuevo	Estado e:	Necesita Reparos Simples						
Estado b:	Entre Nuevo y Conservación Normal	Estado f:	Entre Necesita Reparos Simples e Importantes						
Estado c:	Conservación Normal	Estado g:	Necesita Reparos Importantes						
Estado d:	Entre Normal y Necesita Reparos Simples	Estado h:	Entre Reparos Importantes y Obsoletos						
		Estado i:	Obsoletos						
Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	a	b	c	d	e	f	g	h	i
001	0,010	0,330	2,500	8,099	18,178	33,097	52,495	75,322	100,000
002	0,040	0,360	2,529	8,127	18,203	33,117	52,509	75,330	100,000
003	0,090	0,410	2,578	8,173	18,244	33,150	52,533	75,342	100,000
004	0,160	0,479	2,646	8,237	18,301	33,197	52,566	75,359	100,000
005	0,250	0,569	2,734	8,320	18,375	33,257	52,609	75,382	100,000
006	0,360	0,679	2,841	8,421	18,465	33,331	52,661	75,409	100,000
007	0,490	0,808	2,968	8,540	18,571	33,418	52,723	75,441	100,000
008	0,640	0,958	3,114	8,678	18,694	33,518	52,794	75,478	100,000
009	0,810	1,127	3,280	8,834	18,833	33,632	52,875	75,520	100,000
010	1,000	1,317	3,465	9,009	18,988	33,759	52,965	75,567	100,000
011	1,210	1,526	3,670	9,202	19,160	33,900	53,065	75,619	100,000
012	1,440	1,755	3,894	9,414	19,348	34,054	53,174	75,675	100,000
013	1,690	2,005	4,138	9,643	19,553	34,221	53,293	75,737	100,000
014	1,960	2,274	4,401	9,891	19,774	34,401	53,421	75,804	100,000
015	2,250	2,563	4,684	10,158	20,011	34,595	53,559	75,875	100,000
016	2,560	2,872	4,986	10,443	20,265	34,803	53,706	75,952	100,000
017	2,890	3,201	5,308	10,746	20,535	35,024	53,863	76,033	100,000
018	3,240	3,550	5,649	11,068	20,821	35,258	54,029	76,120	100,000
019	3,610	3,918	6,010	11,408	21,124	35,505	54,205	76,211	100,000
020	4,000	4,307	6,390	11,766	21,443	35,766	54,390	76,307	100,000
021	4,410	4,716	6,790	12,143	21,779	36,041	54,585	76,408	100,000
022	4,840	5,145	7,209	12,538	22,131	36,328	54,789	76,515	100,000
023	5,290	5,593	7,648	12,952	22,499	36,630	55,003	76,626	100,000
024	5,760	6,062	8,107	13,384	22,883	36,944	55,227	76,742	100,000
025	6,250	6,550	8,584	13,834	23,284	37,272	55,459	76,863	100,000
026	6,760	7,058	9,082	14,303	23,702	37,613	55,702	76,988	100,000
027	7,290	7,587	9,598	14,790	24,135	37,968	55,953	77,119	100,000
028	7,840	8,135	10,135	15,296	24,585	38,336	56,215	77,255	100,000
029	8,410	8,703	10,691	15,820	25,052	38,717	56,486	77,396	100,000
030	9,000	9,291	11,266	16,362	25,535	39,112	56,766	77,541	100,000
031	9,610	9,899	11,861	16,923	26,034	39,520	57,056	77,692	100,000
032	10,240	10,527	12,475	17,502	26,549	39,942	57,355	77,847	100,000
033	10,890	11,175	13,109	18,099	27,081	40,376	57,664	78,008	100,000
034	11,560	11,843	13,762	18,715	27,630	40,825	57,982	78,173	100,000
035	12,250	12,531	14,435	19,349	28,194	41,286	58,310	78,343	100,000
036	12,960	13,239	15,127	20,002	28,775	41,762	58,647	78,519	100,000
037	13,690	13,966	15,839	20,672	29,373	42,250	58,994	78,699	100,000
038	14,440	14,714	16,570	21,362	29,986	42,752	59,350	78,884	100,000
039	15,210	15,481	17,321	22,070	30,616	43,267	59,716	79,074	100,000
040	16,000	16,269	18,092	22,796	31,263	43,796	60,092	79,269	100,000
041	16,810	17,076	18,881	23,540	31,926	44,338	60,476	79,469	100,000
042	17,640	17,904	19,691	24,303	32,605	44,893	60,871	79,674	100,000
043	18,490	18,751	20,520	25,084	33,300	45,462	61,275	79,883	100,000
044	19,360	19,618	21,368	25,884	34,012	46,044	61,688	80,098	100,000
045	20,250	20,505	22,236	26,702	34,741	46,639	62,111	80,318	100,000
046	21,160	21,412	23,123	27,538	35,485	47,248	62,543	80,542	100,000
047	22,090	22,339	24,030	28,393	36,246	47,870	62,985	80,772	100,000
048	23,040	23,286	24,956	29,266	37,024	48,506	63,436	81,006	100,000
049	24,010	24,253	25,902	30,158	37,817	49,155	63,897	81,246	100,000
050	25,000	25,240	26,868	31,068	38,628	49,818	64,368	81,490	100,000



ASOCIACIÓN DE VALUADORES Y PERITOS
DE INGENIERÍA DEL PARAGUAY
(AVPIP)

TABLA: KUENTZLE - HEIDECKE										
DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO										
PRACTICADO POR JANS										
Estado a:	Nuevo								Estado e:	Necesita Reparos Simples
Estado b:	Entre Nuevo y Conservación Normal								Estado f:	Entre Necesita Reparos Simples e Importantes
Estado c:	Conservación Normal								Estado g:	Necesita Reparos Importantes
Estado d:	Entre Normal y Necesita Reparos Simples								Estado h:	Entre Reparos Importantes y Obsoletos
									Estado i:	Obsoletos
Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %									
	a	b	c	d	e	f	g	h	i	
051	26,010	26,247	27,852	31,996	39,454	50,493	64,847	81,739	100,000	
052	27,040	27,273	28,857	32,942	40,297	51,182	65,337	81,993	100,000	
053	28,090	28,320	29,881	33,908	41,156	51,885	65,836	82,253	100,000	
054	29,160	29,387	30,924	34,891	42,032	52,601	66,344	82,517	100,000	
055	30,250	30,473	31,987	35,893	42,924	53,330	66,862	82,786	100,000	
056	31,360	31,580	33,069	36,913	43,832	54,073	67,389	83,060	100,000	
057	32,490	32,706	34,171	37,952	44,757	54,829	67,926	83,339	100,000	
058	33,640	33,852	35,292	39,009	45,698	55,599	68,472	83,622	100,000	
059	34,810	35,019	36,433	40,084	46,655	56,381	69,028	83,911	100,000	
060	36,000	36,205	37,594	41,178	47,629	57,178	69,594	84,205	100,000	
061	37,210	37,411	38,773	42,290	48,619	57,987	70,168	84,503	100,000	
062	38,440	38,637	39,973	43,420	49,625	58,810	70,753	84,807	100,000	
063	39,690	39,883	41,192	44,569	50,648	59,647	71,347	85,115	100,000	
064	40,960	41,149	42,430	45,736	51,688	60,496	71,950	85,429	100,000	
065	42,250	42,435	43,688	46,922	52,743	61,359	72,563	85,747	100,000	
066	43,560	43,741	44,965	48,126	53,815	62,236	73,185	86,071	100,000	
067	44,890	45,066	46,262	49,348	54,903	63,126	73,817	86,399	100,000	
068	46,240	46,412	47,579	50,589	56,008	64,029	74,459	86,732	100,000	
069	47,610	47,778	48,915	51,848	57,129	64,946	75,110	87,070	100,000	
070	49,000	49,163	50,270	53,126	58,267	65,876	75,770	87,413	100,000	
071	50,410	50,569	51,645	54,422	59,421	66,819	76,440	87,761	100,000	
072	51,840	51,994	53,039	55,736	60,591	67,776	77,119	88,114	100,000	
073	53,290	53,439	54,453	57,069	61,777	68,746	77,808	88,472	100,000	
074	54,760	54,905	55,886	58,420	62,980	69,730	78,506	88,835	100,000	
075	56,250	56,390	57,339	59,789	64,199	70,727	79,214	89,203	100,000	
076	57,760	57,895	58,812	61,177	65,435	71,737	79,932	89,575	100,000	
077	59,290	59,420	60,304	62,583	66,687	72,761	80,659	89,953	100,000	
078	60,840	60,965	61,815	64,008	67,955	73,798	81,395	90,335	100,000	
079	62,410	62,530	63,346	65,451	69,240	74,849	82,141	90,723	100,000	
080	64,000	64,115	64,896	66,912	70,541	75,912	82,896	91,115	100,000	
081	65,610	65,720	66,466	68,392	71,859	76,990	83,661	91,513	100,000	
082	67,240	67,345	68,056	69,890	73,192	78,080	84,436	91,915	100,000	
083	68,890	68,990	69,665	71,407	74,543	79,184	85,220	92,322	100,000	
084	70,560	70,654	71,293	72,942	75,909	80,302	86,013	92,734	100,000	
085	72,250	72,339	72,941	74,495	77,292	81,432	86,816	93,151	100,000	
086	73,960	74,043	74,608	76,067	78,691	82,577	87,628	93,573	100,000	
087	75,690	75,768	76,295	77,657	80,107	83,734	88,450	94,000	100,000	
088	77,440	77,512	78,002	79,265	81,539	84,905	89,282	94,432	100,000	
089	79,210	79,277	79,728	80,892	82,988	86,089	90,123	94,869	100,000	
090	81,000	81,061	81,473	82,537	84,452	87,287	90,973	95,311	100,000	
091	82,810	82,865	83,238	84,201	85,933	88,498	91,833	95,758	100,000	
092	84,640	84,689	85,022	85,883	87,431	89,723	92,702	96,209	100,000	
093	86,490	86,533	86,826	87,583	88,945	90,960	93,581	96,666	100,000	
094	88,360	88,397	88,650	89,302	90,475	92,212	94,470	97,127	100,000	
095	90,250	90,281	90,493	91,039	92,022	93,476	95,368	97,594	100,000	
096	92,160	92,185	92,355	92,794	93,585	94,754	96,275	98,065	100,000	
097	94,090	94,109	94,237	94,568	95,164	96,046	97,192	98,541	100,000	
098	96,040	96,053	96,139	96,360	96,760	97,350	98,119	99,023	100,000	
099	98,010	98,016	98,060	98,171	98,372	98,668	99,055	99,509	100,000	
100	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	





ASOCIACIÓN DE VALUADORES Y PERITOS
DE INGENIERÍA DEL PARAGUAY
(AVPIP)

TABLA: ROSS - HEIDECKE
DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

MEJORADO POR JANS

Estado a:	Nuevo	Estado e:	Necesita Reparos Simples
Estado b:	Entre Nuevo y Conservación Normal	Estado f:	Entre Necesita Reparos Simples e Importantes
Estado c:	Conservación Normal	Estado g:	Necesita Reparos Importantes
Estado d:	Entre Normal y Necesita Reparos Simples	Estado h:	Entre Reparos Importantes y Obsoletos
		Estado i:	Obsoletos

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	a	b	c	d	e	f	g	h	i
001	0,505	0,823	2,982	8,554	18,583	33,428	52,730	75,445	100,000
002	1,020	1,337	3,485	9,027	19,005	33,772	52,975	75,572	100,000
003	1,545	1,860	3,997	9,510	19,434	34,124	53,224	75,701	100,000
004	2,080	2,393	4,518	10,002	19,872	34,482	53,478	75,833	100,000
005	2,625	2,937	5,050	10,503	20,318	34,846	53,737	75,968	100,000
006	3,180	3,490	5,591	11,013	20,772	35,218	54,001	76,105	100,000
007	3,745	4,053	6,142	11,532	21,235	35,596	54,269	76,244	100,000
008	4,320	4,626	6,702	12,061	21,705	35,981	54,542	76,386	100,000
009	4,905	5,209	7,273	12,598	22,184	36,372	54,820	76,531	100,000
010	5,500	5,802	7,853	13,145	22,671	36,770	55,103	76,677	100,000
011	6,105	6,405	8,443	13,701	23,166	37,175	55,390	76,827	100,000
012	6,720	7,018	9,043	14,266	23,669	37,586	55,683	76,978	100,000
013	7,345	7,641	9,652	14,841	24,180	38,005	55,980	77,133	100,000
014	7,980	8,274	10,271	15,424	24,700	38,429	56,281	77,289	100,000
015	8,625	8,917	10,900	16,017	25,228	38,861	56,588	77,449	100,000
016	9,280	9,570	11,539	16,619	25,764	39,299	56,899	77,610	100,000
017	9,945	10,233	12,187	17,230	26,308	39,744	57,215	77,774	100,000
018	10,620	10,906	12,846	17,851	26,860	40,196	57,536	77,941	100,000
019	11,305	11,589	13,514	18,480	27,421	40,654	57,861	78,110	100,000
020	12,000	12,282	14,191	19,119	27,990	41,119	58,191	78,282	100,000
021	12,705	12,984	14,879	19,767	28,567	41,591	58,526	78,456	100,000
022	13,420	13,697	15,576	20,424	29,152	42,069	58,866	78,632	100,000
023	14,145	14,420	16,283	21,091	29,745	42,554	59,210	78,811	100,000
024	14,880	15,152	16,999	21,766	30,346	43,046	59,559	78,992	100,000
025	15,625	15,895	17,726	22,451	30,956	43,545	59,913	79,176	100,000
026	16,380	16,648	18,462	23,145	31,574	44,050	60,272	79,363	100,000
027	17,145	17,410	19,208	23,848	32,200	44,562	60,636	79,551	100,000
028	17,920	18,183	19,964	24,560	32,834	45,080	61,004	79,743	100,000
029	18,705	18,965	20,729	25,282	33,476	45,606	61,377	79,936	100,000
030	19,500	19,758	21,504	26,012	34,127	46,137	61,754	80,133	100,000
031	20,305	20,560	22,289	26,752	34,786	46,676	62,137	80,331	100,000
032	21,120	21,372	23,084	27,501	35,452	47,221	62,524	80,532	100,000
033	21,945	22,195	23,889	28,260	36,128	47,773	62,916	80,736	100,000
034	22,780	23,027	24,703	29,027	36,811	48,332	63,313	80,942	100,000
035	23,625	23,869	25,527	29,804	37,502	48,897	63,714	81,151	100,000
036	24,480	24,722	26,360	30,590	38,202	49,470	64,120	81,362	100,000
037	25,345	25,584	27,204	31,385	38,910	50,048	64,531	81,575	100,000
038	26,220	26,456	28,057	32,189	39,626	50,634	64,947	81,791	100,000
039	27,105	27,338	28,920	33,002	40,350	51,226	65,368	82,010	100,000
040	28,000	28,230	29,793	33,825	41,082	51,825	65,793	82,230	100,000
041	28,905	29,133	30,675	34,657	41,823	52,430	66,223	82,454	100,000
042	29,820	30,045	31,567	35,498	42,572	53,043	66,657	82,680	100,000
043	30,745	30,967	32,469	36,348	43,329	53,661	67,097	82,908	100,000
044	31,680	31,899	33,381	37,207	44,094	54,287	67,541	83,139	100,000
045	32,625	32,841	34,303	38,076	44,867	54,919	67,990	83,372	100,000
046	33,580	33,793	35,234	38,953	45,649	55,558	68,444	83,608	100,000
047	34,545	34,754	36,175	39,840	46,438	56,204	68,902	83,846	100,000
048	35,520	35,726	37,126	40,736	47,236	56,856	69,366	84,086	100,000
049	36,505	36,708	38,086	41,642	48,042	57,515	69,834	84,329	100,000
050	37,500	37,700	39,056	42,556	48,856	58,181	70,306	84,575	100,000





ASOCIACIÓN DE VALUADORES Y PERITOS
DE INGENIERÍA DEL PARAGUAY
(AVPIP)

TABLA: ROSS - HEIDECKE										
DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO										
MEJORADO POR JANS										
Estado a:	Nuevo				Estado e:				Necesita Reparos Simples	
Estado b:	Entre Nuevo y Conservación Normal				Estado f:				Entre Necesita Reparos Simples e Importantes	
Estado c:	Conservación Normal				Estado g:				Necesita Reparos Importantes	
Estado d:	Entre Normal y Necesita Reparos Simples				Estado h:				Entre Reparos Importantes y Obsoletos	
					Estado i:				Obsoletos	
Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %									
	a	b	c	d	e	f	g	h	i	
051	38,505	38,702	40,036	43,480	49,679	58,854	70,784	84,823	100,000	
052	39,520	39,714	41,026	44,413	50,509	59,533	71,266	85,074	100,000	
053	40,545	40,735	42,025	45,355	51,348	60,219	71,753	85,327	100,000	
054	41,580	41,767	43,035	46,306	52,195	60,911	72,245	85,582	100,000	
055	42,625	42,809	44,054	47,267	53,050	61,610	72,741	85,840	100,000	
056	43,680	43,860	45,082	48,236	53,913	62,316	73,242	86,100	100,000	
057	44,745	44,922	46,121	49,215	54,785	63,029	73,748	86,363	100,000	
058	45,820	45,993	47,169	50,203	55,665	63,748	74,259	86,628	100,000	
059	46,905	47,075	48,227	51,200	56,552	64,474	74,775	86,896	100,000	
060	48,000	48,166	49,295	52,207	57,448	65,207	75,295	87,166	100,000	
061	49,105	49,268	50,372	53,222	58,353	65,946	75,820	87,439	100,000	
062	50,220	50,379	51,460	54,247	59,265	66,692	76,350	87,714	100,000	
063	51,345	51,501	52,557	55,281	60,186	67,445	76,884	87,992	100,000	
064	52,480	52,632	53,663	56,324	61,114	68,204	77,423	88,272	100,000	
065	53,625	53,773	54,780	57,377	62,051	68,970	77,967	88,555	100,000	
066	54,780	54,925	55,906	58,438	62,996	69,743	78,516	88,840	100,000	
067	55,945	56,086	57,042	59,509	63,950	70,523	79,069	89,127	100,000	
068	57,120	57,257	58,188	60,589	64,911	71,309	79,628	89,417	100,000	
069	58,305	58,438	59,343	61,678	65,881	72,102	80,191	89,710	100,000	
070	59,500	59,630	60,508	62,776	66,859	72,901	80,758	90,005	100,000	
071	60,705	60,831	61,683	63,884	67,845	73,708	81,331	90,302	100,000	
072	61,920	62,042	62,868	65,001	68,839	74,521	81,908	90,602	100,000	
073	63,145	63,263	64,063	66,127	69,842	75,340	82,490	90,904	100,000	
074	64,380	64,494	65,267	67,262	70,852	76,167	83,077	91,209	100,000	
075	65,625	65,735	66,481	68,406	71,871	77,000	83,668	91,516	100,000	
076	66,880	66,986	67,705	69,559	72,898	77,839	84,265	91,826	100,000	
077	68,145	68,247	68,938	70,722	73,933	78,686	84,866	92,138	100,000	
078	69,420	69,518	70,181	71,894	74,976	79,539	85,471	92,453	100,000	
079	70,705	70,799	71,434	73,075	76,028	80,399	86,082	92,770	100,000	
080	72,000	72,090	72,697	74,265	77,088	81,265	86,697	93,090	100,000	
081	73,305	73,390	73,970	75,465	78,155	82,138	87,317	93,412	100,000	
082	74,620	74,701	75,252	76,673	79,232	83,018	87,942	93,736	100,000	
083	75,945	76,022	76,544	77,891	80,316	83,905	88,571	94,063	100,000	
084	77,280	77,353	77,846	79,118	81,408	84,798	89,206	94,393	100,000	
085	78,625	78,693	79,157	80,354	82,509	85,698	89,845	94,725	100,000	
086	79,980	80,044	80,478	81,600	83,618	86,605	90,488	95,059	100,000	
087	81,345	81,405	81,810	82,854	84,735	87,518	91,137	95,396	100,000	
088	82,720	82,775	83,150	84,118	85,860	88,438	91,790	95,735	100,000	
089	84,105	84,156	84,501	85,391	86,993	89,365	92,448	96,077	100,000	
090	85,500	85,546	85,861	86,673	88,135	90,298	93,111	96,421	100,000	
091	86,905	86,947	87,231	87,964	89,284	91,238	93,779	96,768	100,000	
092	88,320	88,357	88,611	89,265	90,442	92,185	94,451	97,117	100,000	
093	89,745	89,778	90,000	90,575	91,608	93,138	95,128	97,469	100,000	
094	91,180	91,208	91,400	91,894	92,783	94,099	95,810	97,823	100,000	
095	92,625	92,649	92,809	93,222	93,965	95,065	96,496	98,180	100,000	
096	94,080	94,099	94,227	94,559	95,156	96,039	97,187	98,539	100,000	
097	95,545	95,559	95,656	95,905	96,354	97,019	97,883	98,901	100,000	
098	97,020	97,030	97,094	97,261	97,561	98,006	98,584	99,265	100,000	
099	98,505	98,510	98,542	98,626	98,777	99,000	99,290	99,631	100,000	
100	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	





ASOCIACIÓN DE VALUADORES Y PERITOS
DE INGENIERÍA DEL PARAGUAY
(AVPIP)

TABLA: KUENTZLE INVERTIDA - HEIDECKE
DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

PRACTICADO POR JANS

Estado a:	Nuevo	Estado e:	Necesita Reparos Simples
Estado b:	Entre Nuevo y Conservación Normal	Estado f:	Entre Necesita Reparos Simples e Importantes
Estado c:	Conservación Normal	Estado g:	Necesita Reparos Importantes
Estado d:	Entre Normal y Necesita Reparos Simples	Estado h:	Entre Reparos Importantes y Obsoletos
		Estado i:	Obsoletos

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %									
	a	b	c	d	e	f	g	h	i	
001	10,000	10,288	12,241	17,281	26,353	39,781	57,241	77,788	100,000	
002	14,142	14,417	16,280	21,088	29,743	42,553	59,209	78,810	100,000	
003	17,321	17,585	19,379	24,009	32,343	44,679	60,719	79,595	100,000	
004	20,000	20,256	21,992	26,472	34,536	46,472	61,992	80,256	100,000	
005	22,361	22,609	24,294	28,642	36,468	48,052	63,114	80,839	100,000	
006	24,495	24,737	26,375	30,603	38,214	49,480	64,128	81,365	100,000	
007	26,458	26,693	28,289	32,407	39,820	50,793	65,060	81,850	100,000	
008	28,284	28,514	30,070	34,086	41,315	52,015	65,928	82,301	100,000	
009	30,000	30,224	31,743	35,663	42,719	53,163	66,743	82,724	100,000	
010	31,623	31,842	33,325	37,154	44,047	54,249	67,514	83,125	100,000	
011	33,166	33,380	34,830	38,573	45,310	55,282	68,247	83,505	100,000	
012	34,641	34,850	36,268	39,929	46,517	56,268	68,948	83,869	100,000	
013	36,056	36,260	37,648	41,229	47,674	57,215	69,620	84,219	100,000	
014	37,417	37,617	38,975	42,480	48,788	58,125	70,267	84,554	100,000	
015	38,730	38,926	40,255	43,687	49,863	59,004	70,891	84,879	100,000	
016	40,000	40,192	41,494	44,854	50,902	59,854	71,494	85,192	100,000	
017	41,231	41,419	42,694	45,985	51,909	60,678	72,079	85,496	100,000	
018	42,426	42,611	43,860	47,084	52,888	61,478	72,647	85,791	100,000	
019	43,589	43,770	44,994	48,153	53,839	62,255	73,199	86,078	100,000	
020	44,721	44,898	46,098	49,193	54,765	63,013	73,737	86,357	100,000	
021	45,826	45,999	47,175	50,208	55,669	63,752	74,262	86,630	100,000	
022	46,904	47,074	48,226	51,200	56,552	64,474	74,774	86,896	100,000	
023	47,958	48,125	49,254	52,168	57,414	65,179	75,275	87,156	100,000	
024	48,990	49,153	50,260	53,117	58,258	65,869	75,765	87,411	100,000	
025	50,000	50,160	51,245	54,045	59,085	66,545	76,245	87,660	100,000	
026	50,990	51,147	52,211	54,955	59,895	67,208	76,715	87,904	100,000	
027	51,962	52,115	53,158	55,848	60,690	67,857	77,177	88,144	100,000	
028	52,915	53,066	54,087	56,724	61,470	68,495	77,630	88,379	100,000	
029	53,852	53,999	55,001	57,585	62,237	69,122	78,075	88,611	100,000	
030	54,772	54,917	55,898	58,431	62,990	69,738	78,512	88,838	100,000	
031	55,678	55,819	56,781	59,263	63,731	70,344	78,942	89,061	100,000	
032	56,569	56,708	57,650	60,082	64,460	70,940	79,366	89,281	100,000	
033	57,446	57,582	58,505	60,888	65,178	71,527	79,782	89,498	100,000	
034	58,310	58,443	59,348	61,682	65,885	72,105	80,193	89,711	100,000	
035	59,161	59,291	60,178	62,465	66,581	72,674	80,597	89,921	100,000	
036	60,000	60,128	60,996	63,236	67,268	73,236	80,996	90,128	100,000	
037	60,828	60,953	61,803	63,997	67,945	73,790	81,389	90,332	100,000	
038	61,644	61,767	62,599	64,747	68,613	74,336	81,777	90,534	100,000	
039	62,450	62,570	63,385	65,488	69,273	74,875	82,160	90,733	100,000	
040	63,246	63,363	64,161	66,219	69,924	75,408	82,538	90,929	100,000	
041	64,031	64,146	64,927	66,941	70,567	75,933	82,911	91,123	100,000	
042	64,807	64,920	65,684	67,654	71,202	76,453	83,280	91,314	100,000	
043	65,574	65,685	66,432	68,359	71,830	76,966	83,644	91,504	100,000	
044	66,332	66,440	67,171	69,056	72,450	77,473	84,005	91,691	100,000	
045	67,082	67,187	67,902	69,745	73,063	77,975	84,361	91,876	100,000	
046	67,823	67,926	68,624	70,426	73,670	78,471	84,713	92,059	100,000	
047	68,557	68,657	69,339	71,100	74,270	78,961	85,061	92,240	100,000	
048	69,282	69,380	70,047	71,767	74,863	79,447	85,406	92,419	100,000	
049	70,000	70,096	70,747	72,427	75,451	79,927	85,747	92,596	100,000	
050	70,711	70,804	71,440	73,080	76,033	80,403	86,085	92,771	100,000	





ASOCIACIÓN DE VALUADORES Y PERITOS
DE INGENIERÍA DEL PARAGUAY
(AVPIP)

TABLA: KUENTZLE INVERTIDA - HEIDECKE									
DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO									
PRACTICADO POR JANS									
Estado a:	Nuevo	Estado e:	Necesita Reparos Simples						
Estado b:	Entre Nuevo y Conservación Normal	Estado f:	Entre Necesita Reparos Simples e Importantes						
Estado c:	Conservación Normal	Estado g:	Necesita Reparos Importantes						
Estado d:	Entre Normal y Necesita Reparos Simples	Estado h:	Entre Reparos Importantes y Obsoletos						
		Estado i:	Obsoletos						
Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	a	b	c	d	e	f	g	h	i
051	71,414	71,506	72,126	73,727	76,608	80,873	86,419	92,945	100,000
052	72,111	72,200	72,805	74,367	77,178	81,339	86,750	93,117	100,000
053	72,801	72,888	73,478	75,001	77,743	81,801	87,078	93,287	100,000
054	73,485	73,570	74,145	75,630	78,303	82,259	87,403	93,456	100,000
055	74,162	74,245	74,805	76,252	78,857	82,712	87,724	93,623	100,000
056	74,833	74,914	75,460	76,869	79,406	83,161	88,043	93,789	100,000
057	75,498	75,577	76,108	77,481	79,950	83,606	88,359	93,953	100,000
058	76,158	76,234	76,751	78,087	80,490	84,047	88,673	94,116	100,000
059	76,811	76,886	77,389	78,687	81,025	84,485	88,983	94,277	100,000
060	77,460	77,532	78,021	79,283	81,555	84,918	89,291	94,437	100,000
061	78,102	78,173	78,648	79,874	82,081	85,348	89,596	94,596	100,000
062	78,740	78,808	79,269	80,460	82,603	85,775	89,899	94,753	100,000
063	79,373	79,439	79,886	81,041	83,121	86,198	90,200	94,909	100,000
064	80,000	80,064	80,498	81,618	83,634	86,618	90,498	95,064	100,000
065	80,623	80,685	81,105	82,190	84,143	87,035	90,794	95,218	100,000
066	81,240	81,300	81,707	82,758	84,649	87,448	91,087	95,370	100,000
067	81,854	81,912	82,305	83,322	85,151	87,858	91,379	95,521	100,000
068	82,462	82,518	82,899	83,881	85,649	88,265	91,668	95,672	100,000
069	83,066	83,120	83,488	84,436	86,143	88,670	91,955	95,821	100,000
070	83,666	83,718	84,073	84,987	86,634	89,071	92,240	95,969	100,000
071	84,261	84,312	84,653	85,535	87,121	89,469	92,523	96,116	100,000
072	84,853	84,901	85,230	86,078	87,605	89,865	92,804	96,262	100,000
073	85,440	85,487	85,803	86,618	88,086	90,258	93,083	96,407	100,000
074	86,023	86,068	86,371	87,154	88,563	90,648	93,360	96,551	100,000
075	86,603	86,645	86,936	87,686	89,037	91,036	93,635	96,694	100,000
076	87,178	87,219	87,497	88,215	89,508	91,421	93,908	96,836	100,000
077	87,750	87,789	88,055	88,741	89,976	91,803	94,180	96,977	100,000
078	88,318	88,355	88,609	89,263	90,440	92,183	94,450	97,117	100,000
079	88,882	88,918	89,159	89,781	90,902	92,561	94,718	97,256	100,000
080	89,443	89,477	89,706	90,297	91,361	92,936	94,984	97,394	100,000
081	90,000	90,032	90,249	90,809	91,817	93,309	95,249	97,532	100,000
082	90,554	90,584	90,789	91,318	92,270	93,680	95,512	97,669	100,000
083	91,104	91,133	91,326	91,824	92,721	94,048	95,774	97,805	100,000
084	91,652	91,678	91,859	92,327	93,168	94,414	96,034	97,940	100,000
085	92,195	92,220	92,390	92,827	93,614	94,778	96,292	98,074	100,000
086	92,736	92,759	92,917	93,324	94,056	95,140	96,549	98,207	100,000
087	93,274	93,295	93,441	93,818	94,496	95,499	96,804	98,340	100,000
088	93,808	93,828	93,962	94,309	94,933	95,857	97,058	98,472	100,000
089	94,340	94,358	94,481	94,798	95,368	96,213	97,311	98,603	100,000
090	94,868	94,885	94,996	95,283	95,801	96,566	97,562	98,734	100,000
091	95,394	95,409	95,509	95,767	96,231	96,918	97,812	98,863	100,000
092	95,917	95,930	96,018	96,247	96,659	97,268	98,060	98,992	100,000
093	96,437	96,448	96,525	96,725	97,084	97,616	98,307	99,121	100,000
094	96,954	96,963	97,029	97,200	97,507	97,962	98,553	99,248	100,000
095	97,468	97,476	97,531	97,673	97,928	98,306	98,797	99,375	100,000
096	97,980	97,986	98,030	98,143	98,347	98,648	99,040	99,501	100,000
097	98,489	98,493	98,526	98,611	98,763	98,989	99,282	99,627	100,000
098	98,995	98,998	99,020	99,076	99,178	99,328	99,523	99,752	100,000
099	99,499	99,500	99,511	99,539	99,590	99,665	99,762	99,876	100,000
100	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000





ASOCIACIÓN DE VALUADORES Y PERITOS
DE INGENIERÍA DEL PARAGUAY
(AVPIP)

TABLA: ROSS INVERTIDA - HEIDECKE
DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

PRACTICADO POR JANS

Estado a:	Nuevo	Estado e:	Necesita Reparos Simples
Estado b:	Entre Nuevo y Conservación Normal	Estado f:	Entre Necesita Reparos Simples e Importantes
Estado c:	Conservación Normal	Estado g:	Necesita Reparos Importantes
Estado d:	Entre Normal y Necesita Reparos Simples	Estado h:	Entre Reparos Importantes y Obsoletos
		Estado i:	Obsoletos

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	a	b	c	d	e	f	g	h	i
001	5,500	5,802	7,853	13,145	22,671	36,770	55,103	76,677	100,000
002	8,071	8,365	10,360	15,508	24,775	38,490	56,325	77,312	100,000
003	10,160	10,448	12,397	17,428	26,484	39,888	57,317	77,828	100,000
004	12,000	12,282	14,191	19,119	27,990	41,119	58,191	78,282	100,000
005	13,680	13,957	15,830	20,664	29,365	42,244	58,990	78,696	100,000
006	15,247	15,519	17,358	22,104	30,647	43,292	59,734	79,083	100,000
007	16,729	16,995	18,802	23,465	31,859	44,283	60,438	79,449	100,000
008	18,142	18,404	20,180	24,764	33,016	45,229	61,109	79,797	100,000
009	19,500	19,758	21,504	26,012	34,127	46,137	61,754	80,133	100,000
010	20,811	21,065	22,783	27,218	35,200	47,015	62,377	80,456	100,000
011	22,083	22,332	24,023	28,387	36,241	47,866	62,982	80,770	100,000
012	23,321	23,566	25,230	29,524	37,253	48,694	63,570	81,076	100,000
013	24,528	24,769	26,407	30,633	38,241	49,502	64,143	81,373	100,000
014	25,708	25,946	27,558	31,718	39,207	50,291	64,704	81,665	100,000
015	26,865	27,099	28,686	32,782	40,154	51,065	65,254	81,950	100,000
016	28,000	28,230	29,793	33,825	41,082	51,825	65,793	82,230	100,000
017	29,116	29,342	30,881	34,850	41,995	52,571	66,323	82,506	100,000
018	30,213	30,437	31,951	35,859	42,893	53,306	66,844	82,777	100,000
019	31,294	31,514	33,005	36,853	43,778	54,029	67,358	83,043	100,000
020	32,361	32,577	34,045	37,833	44,651	54,743	67,865	83,307	100,000
021	33,413	33,626	35,071	38,800	45,512	55,447	68,364	83,566	100,000
022	34,452	34,662	36,084	39,755	46,362	56,142	68,858	83,823	100,000
023	35,479	35,686	37,086	40,699	47,203	56,829	69,346	84,076	100,000
024	36,495	36,698	38,076	41,632	48,034	57,509	69,829	84,327	100,000
025	37,500	37,700	39,056	42,556	48,856	58,181	70,306	84,575	100,000
026	38,495	38,692	40,027	43,471	49,671	58,847	70,779	84,821	100,000
027	39,481	39,674	40,988	44,377	50,477	59,507	71,247	85,064	100,000
028	40,458	40,648	41,940	45,275	51,276	60,160	71,711	85,305	100,000
029	41,426	41,613	42,884	46,164	52,069	60,808	72,171	85,544	100,000
030	42,386	42,570	43,821	47,047	52,855	61,451	72,628	85,781	100,000
031	43,339	43,520	44,750	47,923	53,634	62,088	73,080	86,016	100,000
032	44,284	44,463	45,672	48,792	54,408	62,721	73,529	86,249	100,000
033	45,223	45,398	46,587	49,654	55,176	63,349	73,975	86,481	100,000
034	46,155	46,327	47,496	50,511	55,938	63,972	74,418	86,711	100,000
035	47,080	47,250	48,398	51,362	56,696	64,591	74,858	86,939	100,000
036	48,000	48,166	49,295	52,207	57,448	65,207	75,295	87,166	100,000
037	48,914	49,077	50,186	53,047	58,196	65,818	75,729	87,392	100,000
038	49,822	49,983	51,072	53,881	58,939	66,426	76,160	87,616	100,000
039	50,725	50,883	51,952	54,711	59,678	67,030	76,589	87,839	100,000
040	51,623	51,778	52,827	55,536	60,413	67,631	77,016	88,061	100,000
041	52,516	52,668	53,698	56,357	61,144	68,228	77,440	88,281	100,000
042	53,404	53,553	54,564	57,173	61,870	68,822	77,862	88,500	100,000
043	54,287	54,433	55,425	57,985	62,593	69,414	78,282	88,718	100,000
044	55,166	55,310	56,283	58,793	63,313	70,002	78,699	88,935	100,000
045	56,041	56,182	57,136	59,597	64,028	70,587	79,115	89,151	100,000
046	56,912	57,050	57,985	60,397	64,741	71,170	79,529	89,366	100,000
047	57,778	57,913	58,830	61,194	65,450	71,749	79,940	89,580	100,000
048	58,641	58,773	59,671	61,987	66,156	72,327	80,350	89,793	100,000
049	59,500	59,630	60,508	62,776	66,859	72,901	80,758	90,005	100,000
050	60,355	60,482	61,342	63,563	67,559	73,474	81,165	90,216	100,000





ASOCIACIÓN DE VALUADORES Y PERITOS
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TABLA: ROSS INVERTIDA - HEIDECKE
DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

PRACTICADO POR JANS

Estado a:	Nuevo	Estado e:	Necesita Reparos Simples
Estado b:	Entre Nuevo y Conservación Normal	Estado f:	Entre Necesita Reparos Simples e Importantes
Estado c:	Conservación Normal	Estado g:	Necesita Reparos Importantes
Estado d:	Entre Normal y Necesita Reparos Simples	Estado h:	Entre Reparos Importantes y Obsoletos
		Estado i:	Obsoletos

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	a	b	c	d	e	f	g	h	i
051	61,207	61,331	62,173	64,345	68,256	74,044	81,570	90,426	100,000
052	62,056	62,177	63,000	65,125	68,950	74,611	81,973	90,635	100,000
053	62,901	63,019	63,824	65,902	69,642	75,177	82,374	90,844	100,000
054	63,742	63,858	64,645	66,676	70,330	75,740	82,774	91,052	100,000
055	64,581	64,694	65,463	67,446	71,017	76,301	83,172	91,259	100,000
056	65,417	65,527	66,278	68,214	71,700	76,860	83,569	91,465	100,000
057	66,249	66,357	67,090	68,980	72,382	77,417	83,965	91,670	100,000
058	67,079	67,184	67,899	69,742	73,061	77,972	84,359	91,875	100,000
059	67,906	68,008	68,705	70,502	73,737	78,526	84,752	92,079	100,000
060	68,730	68,830	69,508	71,260	74,412	79,077	85,144	92,283	100,000
061	69,551	69,649	70,309	72,015	75,084	79,627	85,534	92,485	100,000
062	70,370	70,465	71,108	72,767	75,754	80,175	85,923	92,687	100,000
063	71,186	71,278	71,904	73,517	76,422	80,721	86,311	92,889	100,000
064	72,000	72,090	72,697	74,265	77,088	81,265	86,697	93,090	100,000
065	72,811	72,898	73,488	75,011	77,751	81,808	87,083	93,290	100,000
066	73,620	73,705	74,277	75,754	78,413	82,349	87,467	93,489	100,000
067	74,427	74,509	75,064	76,496	79,073	82,889	87,850	93,689	100,000
068	75,231	75,310	75,848	77,235	79,732	83,427	88,232	93,887	100,000
069	76,033	76,110	76,630	77,972	80,388	83,964	88,613	94,085	100,000
070	76,833	76,907	77,410	78,707	81,042	84,499	88,993	94,282	100,000
071	77,631	77,702	78,188	79,440	81,695	85,033	89,372	94,479	100,000
072	78,426	78,495	78,964	80,172	82,346	85,565	89,750	94,676	100,000
073	79,220	79,287	79,737	80,901	82,996	86,096	90,127	94,872	100,000
074	80,012	80,076	80,509	81,629	83,644	86,626	90,504	95,067	100,000
075	80,801	80,863	81,279	82,354	84,290	87,154	90,879	95,262	100,000
076	81,589	81,648	82,047	83,078	84,934	87,681	91,253	95,456	100,000
077	82,375	82,431	82,814	83,801	85,577	88,207	91,626	95,650	100,000
078	83,159	83,213	83,578	84,521	86,219	88,732	91,999	95,844	100,000
079	83,941	83,992	84,341	85,240	86,859	89,255	92,370	96,037	100,000
080	84,721	84,770	85,102	85,957	87,497	89,777	92,741	96,229	100,000
081	85,500	85,546	85,861	86,673	88,135	90,298	93,111	96,421	100,000
082	86,277	86,321	86,619	87,387	88,770	90,818	93,480	96,613	100,000
083	87,052	87,094	87,375	88,100	89,405	91,337	93,848	96,804	100,000
084	87,826	87,865	88,129	88,811	90,038	91,854	94,216	96,995	100,000
085	88,598	88,634	88,882	89,520	90,670	92,371	94,583	97,186	100,000
086	89,368	89,402	89,633	90,228	91,300	92,886	94,949	97,376	100,000
087	90,137	90,168	90,382	90,935	91,929	93,401	95,314	97,566	100,000
088	90,904	90,933	91,131	91,640	92,557	93,914	95,679	97,755	100,000
089	91,670	91,697	91,877	92,344	93,183	94,426	96,042	97,944	100,000
090	92,434	92,458	92,623	93,046	93,809	94,938	96,405	98,133	100,000
091	93,197	93,219	93,366	93,747	94,433	95,448	96,768	98,321	100,000
092	93,958	93,978	94,109	94,447	95,056	95,958	97,130	98,509	100,000
093	94,718	94,735	94,850	95,146	95,678	96,466	97,491	98,696	100,000
094	95,477	95,491	95,589	95,843	96,299	96,974	97,851	98,884	100,000
095	96,234	96,246	96,328	96,539	96,918	97,480	98,211	99,071	100,000
096	96,990	96,999	97,065	97,233	97,537	97,986	98,570	99,257	100,000
097	97,744	97,752	97,800	97,927	98,154	98,491	98,928	99,443	100,000
098	98,497	98,502	98,535	98,619	98,770	98,995	99,286	99,629	100,000
099	99,249	99,252	99,268	99,310	99,386	99,498	99,643	99,815	100,000
100	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000





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MÉTODO DE JANS - DEPRECIACIÓN SEGÚN EL TIPO DE BIEN



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El Tasador generalmente se encuentra ante la necesidad de evaluar Bienes Inmuebles como ser construcciones ya existentes que tienen determinada antigüedad en años y presentan cierto estado de conservación; los mismos ocurren con los Bienes Muebles, Maquinarias, Equipos, Vehículos y Cosas Muebles. Con el mero transcurrir del tiempo, los Bienes pierden su valor, y por lo tanto se aplican diferentes métodos de depreciación para llegar al valor depreciado o valor actual de los Bienes usados.



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Se parte siempre del Valor Histórico Actualizado, Valor de Reposición o Valor de Construcción Nuevo; cuando no es posible determinar el mismo tipo de Bien, ya sea por ser muy antiguo o por que los materiales o tipo de maquinarias ya no se fabrican, se aplica el Valor de Sustitución, es decir, se identifica con un Bien actual de similares características que podría sustituirlo.



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Fórmula “JANS”: Por este procedimiento se halla el coeficiente “K1”, que se expresa a través de la ecuación:

$$K1 = \sqrt[X]{\frac{Ant}{Vu}} = \left(\frac{Ant}{Vu} \right)^{(1 / x)}$$

K1 = Coeficiente de Depreciación

Ant = Antigüedad

Vu = Vida Útil

X = Índice o Potencia, según criterio JANS



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El índice “X” para la raíz de (Ant / Vu) que define el nivel de la Depreciación se obtiene de la tabla según criterio Jans.



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Tabla de JANS: Índice "X" de la raíz de (Antigüedad / Vida Útil)		
ÍTEM	NÓMINA DE BIENES FÍSICOS	ÍNDICE (X)
01	CONSTRUCCIONES:	
	Edificios	0,50 a 1,00
	Casa	0,50 a 1,00
	Galpones	0,50 a 1,00
02	EQUIPAMIENTOS PARA EDIFICIOS	
	CASAS Y OFICINAS:	
	Mobiliarios	1,50 a 2,00
	Enseres	1,75 a 2,25
	Aparatos Electrónico	1,50 a 2,00
Equipos de informática	2,00 a 2,50	
03	RODADOS - VEHÍCULOS - TRANSPORTES:	
	Automóviles utilitarios	1,25 a 1,75
	Automóviles de lujo	1,50 a 2,00
	Camionetas	1,25 a 1,75
	Camiones y Ómnibus	1,25 a 1,75
04	MAQUINARIAS Y EQUIPOS:	
	Equipos Menores Herramientas.	1,25 a 1,75
	Máquinas Industriales Instaladas	1,50 a 2,00
	Maquinarias - Tractores Agrícolas	1,25 a 1,75
	Maquinarias - Tractores Viales	1,50 a 2,00
Maquinaria para Construcción	1,50 a 2,00	
05	EMBARCACIONES:	
	Buques - Barcos - Barcazas -	1,00 a 0,50
06	EQUIPOS ESPECIALES:	
	A criterio del profesional	3,50 a 10,00



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OBSERVACIÓN: La nómina de los Bienes es a sólo efecto enunciativo, pudiendo existir otros Bienes que se adecuan al valor del índice (X), siempre a criterio del Profesional Valuador, conforme a la percepción del mismo.

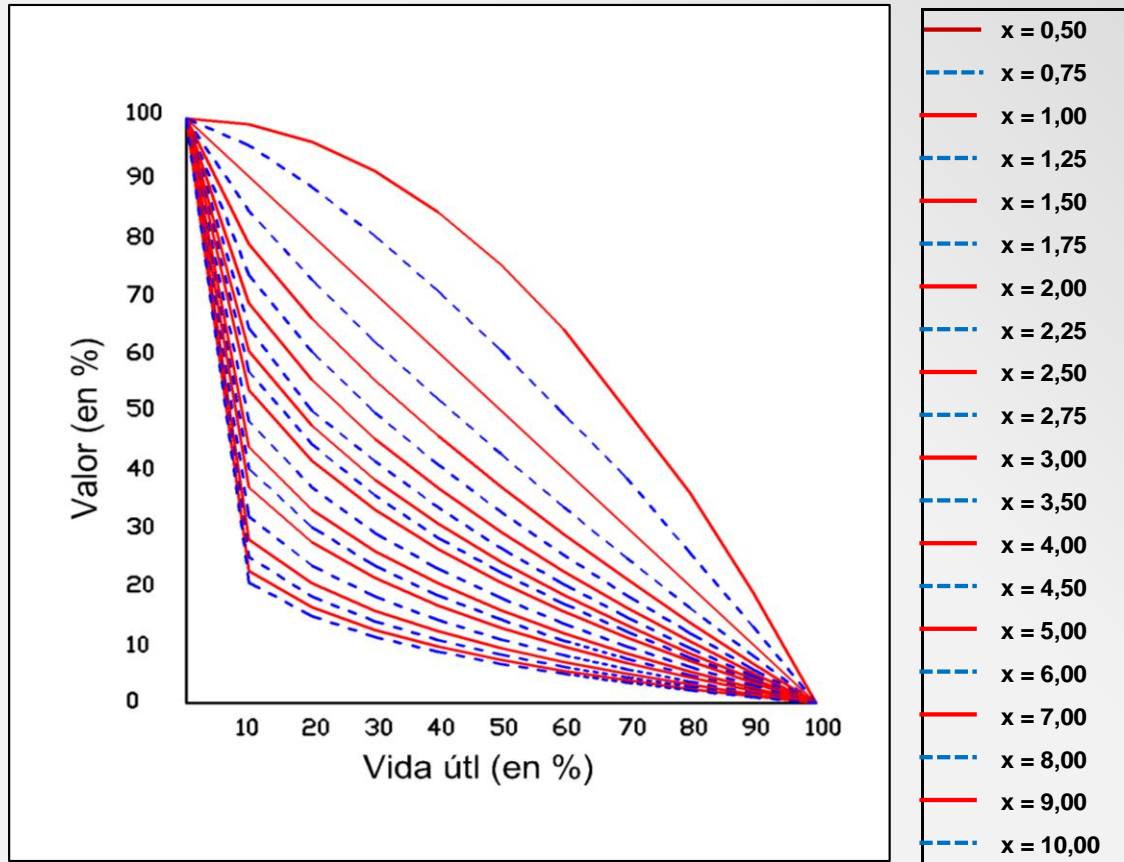


ASOCIACIÓN DE VALUADORES Y PERITOS
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Gráfico



En este gráfico se observan las múltiples curvas del nivel de depreciación, según índice "x"



Interpolando los valores "X", se pueden lograr más curvas de depreciación.

Recordemos nuestra formula:

$$Va = VR - (VR - Vr) K1 = ?$$

Va = Valor Actual ¿?

VR = Valor de Reposición.

Vr = Valor Residual (5% a 20% de VR)

K1 = Coeficiente de depreciación por Antigüedad.



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COEFICIENTE "K2", PARA EL MÉTODO DE JANS



Además del Coeficiente por Antigüedad (K1), se debe considerar el Estado de Conservación (K2), que son aquellos coeficientes de corrección o factores de ajuste que se adicionan a la depreciación, como ser: Conservación, Tipo Mantenimiento, Carga de Trabajo, Obsolescencia Tecnológica, Funcionalidad, Mercado etc., que se fundamentan básicamente en Tablas y/o Formulas Fusionadas, como ser: Tabla Simplificada que se tomó en base los datos de la Norma TTN 11.4 del Tribunal de Tasaciones de la Nación de la República Argentina.

TABLA QUE RELACIONA EL ESTADO DE CONSERVACIÓN		
ESTADO	CALIFICACIÓN	COEF. (K2)
Nuevo	01	1,00
Entre Nuevo e Excelente	02	0,95
Excelente	03	0,90
Entre Excelente y Muy Bueno	04	0,85
Muy Bueno	05	0,80
Entre Muy Bueno y Bueno	06	0,75
Bueno	07	0,70
Entre Bueno y Normal	08	0,65
Normal	09	0,60
Entre Normal y Regular	10	0,55
Regular	11	0,50
Entre Regular Deficiente	12	0,45
Deficiente	13	0,40
Entre Deficiente y Recuperable	14	0,35
Recuperable	15	0,30
Entre Recuperable y Malo	16	0,25
Malo	17	0,20
Entre Malo y Rezago	18	0,15
Rezago	19	0,10
Rezago y Obsoleto	20	0,05
Obsoleto	21	0,00

Nuestro Ejemplo, Datos:

Nuestro Ejemplo, Datos:

Va = Valor Actual ¿?

VR = Valor de Reposición: U\$S 100.000.

Ant = Antigüedad o Edad Cronológica: 10 años.

Vu = Vida Útil: 25 años.

Vr = Valor Residual (r x VR)

r = (10%) = 0,10

$$K1 = \sqrt{\frac{X \cdot Ant}{Vu}} = \left[\frac{Ant}{Vu} \right] (1 / x)$$

X = 1,50 a 2,00; se toma el 1,75, según Tabla

K2 = 0,80



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Depreciación del Método de JANS para K1, aplicado a la Formula "1"

$$Va = \left[VR - \left(VR - Vr \right) K1 \right] K2 = ?$$

$$K1 = \sqrt[X]{\frac{Ant}{Vu}} = \left(\frac{10}{25} \right)^{(1 / 1,75)} = 0,59$$

$$Va = \left[100.000 - \left(100.000 - 10.000 \right) 0,59 \right] 0,80 = 37.348$$



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Depreciación del Método de JANS para K1, aplicado a la Formula "2"

$$Va = VR \left[1 - \left(1 - r \right) \left(\frac{Ant}{Vu} \right)^{(1/X)} \right] \quad F2 = ?$$

$$Va = 100.000 \left[1 - \left(1 - 0,10 \right) \left(\frac{10}{25} \right)^{(1/1,75)} \right] \quad 0,80 = 37.348$$



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Depreciación del Método de JANS para K1, aplicado a la Formula "3"

$$VA = VR \left[r + (1 - r)(1 - K1) \right] K2 = ?$$

$$VA = 100.000 \left[0,10 + (1 - 0,10)(1 - 0,59) \right] 0,80 = 37.348$$

MÉTODO DE “JANS – HEIDECKE”

El Método Jans Heidecke consiste en la fusión del Coeficiente de Antigüedad (K1) de JANS con el Coeficiente de Estado de Conservación de Heidecke (K2)

Fórmula “JANS”: Por procedimiento siguiente se halla el coeficiente “K1”, que se expresa a través de la ecuación:

$$K1 = \sqrt[X]{\frac{Ant}{Vu}} = \left(\frac{Ant}{Vu} \right)^{(1/x)}$$

K1 = Coeficiente de Depreciación

Ant = Antigüedad

Vu = Vida Útil

X = Índice o Potencia, según criterio JANS



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Estado	Tabla Heidecke del Estado de Conservación (K2) - Resultado del Cicloide	Coeficiente (K2)
Estado 1	Nuevo: -----	0,00000
Estado 1,5	Entre Nuevo y Conservación Normal. -----	0,00320
Estado 2	Conservación Normal. -----	0,02490
Estado 2,5	Entre Normal y necesita Reparos Simples. -----	0,18170
Estado 3	Necesita reparos Simples. -----	0,18100
Estado 3,5	Entre necesita reparos Simples e Importantes. -----	0,33090
Estado 4	Necesita reparos Importantes. -----	0,52490
Estado 4,5	Entre necesita Importantes Obsoleto. -----	0,75320
Estado 5	Obsoletos: -----	1,00000

Fusionando los coeficientes, por Antigüedad (K1) con Estado de Conservación (K2) de la Tabla Heidecke, toma la expresión:

$$K = K1 + (1 - K1) K2$$

K1 = Coeficiente por Antigüedad, Método de JANS.

K2 = Coeficiente de Estado (Tabla Heidecke).



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Formula general considerando el Coeficiente (K1) por Antigüedad y el Coeficiente (K2) por el Estado de Heidecke:

$$Va = VR - (VR - Vr) (K1 + (1 - K1) K2)$$

Esta "Fórmula General" es válida para hallar el Valor de Reposición de cualquier Bien, tanto "Bienes Muebles" como "Bienes Inmuebles" referentes a Edificaciones.

Siendo cada elemento:

Va = Valor Actual o Valor depreciado

VR = Valor de Reposición equivalente a nuevo

Vr = Valor Residual

K1 = $\sqrt[X]{\frac{Ant}{Vu}}$ (Método de "**JANS**")

K2 = Coeficiente de Estado (Tabla Heidecke)

La expresión:

$$K = K1 + (1 - K1) K2$$

$$\sqrt{\frac{x \text{ Ant}}{V_u}} + \left(1 - \sqrt{\frac{x \text{ Ant}}{V_u}}\right) K2 = K$$

La "Fórmula General" se puede reemplazar con la ya conocida Ecuación:

$$V_a = V_R - (V_R - V_r) K = ?$$

No es necesario calcular "K" ya que las tablas de doble entrada que en función del porcentaje de vida transcurrida y el índice "X" (Raíz X de (Ant / Vu) de acuerdo al tipo de Bien y del Estado de Conservación, se obtiene en forma directa el coeficiente "K". Es muy importante recordarles que las Tablas no presentan la edad sino la edad en porcentaje de Vida Útil: es decir el cociente entre Ant / Vu (ver tabla Jans - Heidecke)



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Considerando nuestro Ejemplo:

Se desea conocer el valor actual de una Maquina, que tiene una antigüedad de 10 años, en muy buen estado de conservación (Estado "2" = 0,0249, según Heidecke), se estima una Vida Útil de 25 años y se presume un Valor Residual del 10 % del el Valor de Reposición a Nuevo (VRN). En el mercado se ofrece hoy U\$S 100.000 un equipo nuevo de similar característica.



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Datos

V_a = Valor Actual ¿?

V_R = Valor de Reposición: U\$S 100.000.

V_r = Valor Residual (5% a 20% de V_R): U\$S 10.000.

r = Coeficiente del Valor Residual, en % o en fracción decimal (5% a 20%), para el ejemplo se estima 0,10%

Ant = Antigüedad o Edad Cronológica 10 años.

V_u = Vida Útil: 25 años.

La Maquina en cuestión, se trata de un equipo que se puede agrupar dentro del cuadro de "Maquinarias y Equipos - Máquina Industrial", según la tabla, el índice X está entre 1.50 y 2,00 se opta por máximo (X=1,75)

La depreciación es: $10 / 25 = 40 \%$. En la Tabla (X = 1,75) frente de 40 y debajo de la columna "2" O "c" se busca el coeficiente $K = 0,60254 \%$.



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Reemplazando los datos en nuestra fórmula:

Formula:

$$V_a = VR - \left[VR - V_r \right] K = ?$$

$$V_a = 100.000 - \left[100.000 - 10.000 \right] 0,60254 = 45.771$$

Probablemente este resultado es el que más se aproxima al valor de venta en el mercado de la Máquina en cuestión.

TABLA JANS - HEIDECKE

El Método “Jans Heidecke” consiste en considerar la fusión del Coeficiente de Antigüedad ($K1$) de Jans, con el Coeficiente de Estado de Conservación de Heidecke ($K2$), se expresa en la siguiente tabla

Estado	Tabla Heidecke del Estado de Conservación (K2) - Resultado de la Cicloide	Coefficiente (K2)
Estado a:	Nuevo: -----	0,00000
Estado b:	Entre Nuevo y Conservación Normal. -----	0,00320
Estado c:	Conservación Normal. -----	0,02490
Estado d:	Entre Normal y necesita Reparos Simples. -----	0,18170
Estado e:	Necesita reparos Simples. -----	0,18100
Estado f:	Entre necesita reparos Simples e Importantes. -----	0,33090
Estado g:	Necesita reparos Importantes. -----	0,52490
Estado h:	Entre necesita Importantes Obsoleto. -----	0,75320
Estado i:	Obsoletos: -----	1,00000

X = Índice que define la curva de Depreciación, según el tipo del bien (Tabla Jans para el índice "X")

$$K = \sqrt{x \frac{Ant}{Vu}} + \left(1 - \sqrt{x \frac{Ant}{Vu}} \right) K2$$

K = Coeficiente (en proporción a la Antigüedad y Estado de Conservación (Método JANS - HEIDECKE))

Ant = Antigüedad

Vu = Vida Útil

K2 = Coeficiente de Estado de Conservación, según criterio Heidecke



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Muchas gracias por su atención

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**ASOCIACIÓN DE VALUADORES Y PERITOS
DE INGENIERÍA DEL PARAGUAY
(AVPIP)**

TABLA: ROSS - HEIDECKE
DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

MEJORADO POR JANS

Estado a: Nuevo	Estado e: Necesita Reparos Simples
Estado b: Entre Nuevo y Conservación Normal	Estado f: Entre Necesita Reparos Simples e Importantes
Estado c: Conservación Normal	Estado g: Necesita Reparos Importantes
Estado d: Entre Normal y Necesita Reparos Simples	Estado h: Entre Reparos Importantes y Obsoletos
	Estado i: Obsoletos

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	a	b	c	d	e	f	g	h	i
0	0	0,320	2,49	8,090	18,170	33,000	52,490	75,320	100,000
001	0,505	0,823	2,982	8,554	18,583	33,428	52,730	75,445	100,000
002	1,020	1,337	3,485	9,027	19,005	33,772	52,975	75,572	100,000
003	1,545	1,860	3,997	9,510	19,434	34,124	53,224	75,701	100,000
004	2,080	2,393	4,518	10,002	19,872	34,482	53,478	75,833	100,000
005	2,625	2,937	5,050	10,503	20,318	34,846	53,737	75,968	100,000
006	3,180	3,490	5,591	11,013	20,772	35,218	54,001	76,105	100,000
007	3,745	4,053	6,142	11,532	21,235	35,596	54,269	76,244	100,000
008	4,320	4,626	6,702	12,061	21,705	35,981	54,542	76,386	100,000
009	4,905	5,209	7,273	12,598	22,184	36,372	54,820	76,531	100,000
010	5,500	5,802	7,853	13,145	22,671	36,770	55,103	76,677	100,000
011	6,105	6,405	8,443	13,701	23,166	37,175	55,390	76,827	100,000
012	6,720	7,018	9,043	14,266	23,669	37,586	55,683	76,978	100,000
013	7,345	7,641	9,652	14,841	24,180	38,005	55,980	77,133	100,000
014	7,980	8,274	10,271	15,424	24,700	38,429	56,281	77,289	100,000
015	8,625	8,917	10,900	16,017	25,228	38,861	56,588	77,449	100,000
016	9,280	9,570	11,539	16,619	25,764	39,299	56,899	77,610	100,000
017	9,945	10,233	12,187	17,230	26,308	39,744	57,215	77,774	100,000
018	10,620	10,906	12,846	17,851	26,860	40,196	57,536	77,941	100,000
019	11,305	11,589	13,514	18,480	27,421	40,654	57,861	78,110	100,000
020	12,000	12,282	14,191	19,119	27,990	41,119	58,191	78,282	100,000
021	12,705	12,984	14,879	19,767	28,567	41,591	58,526	78,456	100,000
022	13,420	13,697	15,576	20,424	29,152	42,069	58,866	78,632	100,000
023	14,145	14,420	16,283	21,091	29,745	42,554	59,210	78,811	100,000
024	14,880	15,152	16,999	21,766	30,346	43,046	59,559	78,992	100,000
025	15,625	15,895	17,726	22,451	30,956	43,545	59,913	79,176	100,000
026	16,380	16,648	18,462	23,145	31,574	44,050	60,272	79,363	100,000
027	17,145	17,410	19,208	23,848	32,200	44,562	60,636	79,551	100,000
028	17,920	18,183	19,964	24,560	32,834	45,080	61,004	79,743	100,000
029	18,705	18,965	20,729	25,282	33,476	45,606	61,377	79,936	100,000
030	19,500	19,758	21,504	26,012	34,127	46,137	61,754	80,133	100,000
031	20,305	20,560	22,289	26,752	34,786	46,676	62,137	80,331	100,000
032	21,120	21,372	23,084	27,501	35,452	47,221	62,524	80,532	100,000
033	21,945	22,195	23,889	28,260	36,128	47,773	62,916	80,736	100,000
034	22,780	23,027	24,703	29,027	36,811	48,332	63,313	80,942	100,000
035	23,625	23,869	25,527	29,804	37,502	48,897	63,714	81,151	100,000
036	24,480	24,722	26,360	30,590	38,202	49,470	64,120	81,362	100,000
037	25,345	25,584	27,204	31,385	38,910	50,048	64,531	81,575	100,000
038	26,220	26,456	28,057	32,189	39,626	50,634	64,947	81,791	100,000
039	27,105	27,338	28,920	33,002	40,350	51,226	65,368	82,010	100,000
040	28,000	28,230	29,793	33,825	41,082	51,825	65,793	82,230	100,000
041	28,905	29,133	30,675	34,657	41,823	52,430	66,223	82,454	100,000
042	29,820	30,045	31,567	35,498	42,572	53,043	66,657	82,680	100,000
043	30,745	30,967	32,469	36,348	43,329	53,661	67,097	82,908	100,000
044	31,680	31,899	33,381	37,207	44,094	54,287	67,541	83,139	100,000
045	32,625	32,841	34,303	38,076	44,867	54,919	67,990	83,372	100,000
046	33,580	33,793	35,234	38,953	45,649	55,558	68,444	83,608	100,000
047	34,545	34,754	36,175	39,840	46,438	56,204	68,902	83,846	100,000
048	35,520	35,726	37,126	40,736	47,236	56,856	69,366	84,086	100,000
049	36,505	36,708	38,086	41,642	48,042	57,515	69,834	84,329	100,000
050	37,500	37,700	39,056	42,556	48,856	58,181	70,306	84,575	100,000

TABLA: ROSS - HEIDECKE
DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

MEJORADO POR JANS

<p>Estado a: Nuevo</p> <p>Estado b: Entre Nuevo y Conservación Normal</p> <p>Estado c: Conservación Normal</p> <p>Estado d: Entre Normal y Necesita Reparos Simples</p>	<p>Estado e: Necesita Reparos Simples</p> <p>Estado f: Entre Necesita Reparos Simples e Importantes</p> <p>Estado g: Necesita Reparos Importantes</p> <p>Estado h: Entre Reparos Importantes y Obsoletos</p> <p>Estado i: Obsoletos</p>
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Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	a	b	c	d	e	f	g	h	i
051	38,505	38,702	40,036	43,480	49,679	58,854	70,784	84,823	100,000
052	39,520	39,714	41,026	44,413	50,509	59,533	71,266	85,074	100,000
053	40,545	40,735	42,025	45,355	51,348	60,219	71,753	85,327	100,000
054	41,580	41,767	43,035	46,306	52,195	60,911	72,245	85,582	100,000
055	42,625	42,809	44,054	47,267	53,050	61,610	72,741	85,840	100,000
056	43,680	43,860	45,082	48,236	53,913	62,316	73,242	86,100	100,000
057	44,745	44,922	46,121	49,215	54,785	63,029	73,748	86,363	100,000
058	45,820	45,993	47,169	50,203	55,665	63,748	74,259	86,628	100,000
059	46,905	47,075	48,227	51,200	56,552	64,474	74,775	86,896	100,000
060	48,000	48,166	49,295	52,207	57,448	65,207	75,295	87,166	100,000
061	49,105	49,268	50,372	53,222	58,353	65,946	75,820	87,439	100,000
062	50,220	50,379	51,460	54,247	59,265	66,692	76,350	87,714	100,000
063	51,345	51,501	52,557	55,281	60,186	67,445	76,884	87,992	100,000
064	52,480	52,632	53,663	56,324	61,114	68,204	77,423	88,272	100,000
065	53,625	53,773	54,780	57,377	62,051	68,970	77,967	88,555	100,000
066	54,780	54,925	55,906	58,438	62,996	69,743	78,516	88,840	100,000
067	55,945	56,086	57,042	59,509	63,950	70,523	79,069	89,127	100,000
068	57,120	57,257	58,188	60,589	64,911	71,309	79,628	89,417	100,000
069	58,305	58,438	59,343	61,678	65,881	72,102	80,191	89,710	100,000
070	59,500	59,630	60,508	62,776	66,859	72,901	80,758	90,005	100,000
071	60,705	60,831	61,683	63,884	67,845	73,708	81,331	90,302	100,000
072	61,920	62,042	62,868	65,001	68,839	74,521	81,908	90,602	100,000
073	63,145	63,263	64,063	66,127	69,842	75,340	82,490	90,904	100,000
074	64,380	64,494	65,267	67,262	70,852	76,167	83,077	91,209	100,000
075	65,625	65,735	66,481	68,406	71,871	77,000	83,668	91,516	100,000
076	66,880	66,986	67,705	69,559	72,898	77,839	84,265	91,826	100,000
077	68,145	68,247	68,938	70,722	73,933	78,686	84,866	92,138	100,000
078	69,420	69,518	70,181	71,894	74,976	79,539	85,471	92,453	100,000
079	70,705	70,799	71,434	73,075	76,028	80,399	86,082	92,770	100,000
080	72,000	72,090	72,697	74,265	77,088	81,265	86,697	93,090	100,000
081	73,305	73,390	73,970	75,465	78,155	82,138	87,317	93,412	100,000
082	74,620	74,701	75,252	76,673	79,232	83,018	87,942	93,736	100,000
083	75,945	76,022	76,544	77,891	80,316	83,905	88,571	94,063	100,000
084	77,280	77,353	77,846	79,118	81,408	84,798	89,206	94,393	100,000
085	78,625	78,693	79,157	80,354	82,509	85,698	89,845	94,725	100,000
086	79,980	80,044	80,478	81,600	83,618	86,605	90,488	95,059	100,000
087	81,345	81,405	81,810	82,854	84,735	87,518	91,137	95,396	100,000
088	82,720	82,775	83,150	84,118	85,860	88,438	91,790	95,735	100,000
089	84,105	84,156	84,501	85,391	86,993	89,365	92,448	96,077	100,000
090	85,500	85,546	85,861	86,673	88,135	90,298	93,111	96,421	100,000
091	86,905	86,947	87,231	87,964	89,284	91,238	93,779	96,768	100,000
092	88,320	88,357	88,611	89,265	90,442	92,185	94,451	97,117	100,000
093	89,745	89,778	90,000	90,575	91,608	93,138	95,128	97,469	100,000
094	91,180	91,208	91,400	91,894	92,783	94,099	95,810	97,823	100,000
095	92,625	92,649	92,809	93,222	93,965	95,065	96,496	98,180	100,000
096	94,080	94,099	94,227	94,559	95,156	96,039	97,187	98,539	100,000
097	95,545	95,559	95,656	95,905	96,354	97,019	97,883	98,901	100,000
098	97,020	97,030	97,094	97,261	97,561	98,006	98,584	99,265	100,000
099	98,505	98,510	98,542	98,626	98,777	99,000	99,290	99,631	100,000
100	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000

TABLA: LINEA RECTA - HEIDECKE
DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

PRACTICADO POR JANS

Estado a: Nuevo	Estado e: Necesita Reparos Simples
Estado b: Entre Nuevo y Conservación Normal	Estado f: Entre Necesita Reparos Simples e Importantes
Estado c: Conservación Normal	Estado g: Necesita Reparos Importantes
Estado d: Entre Normal y Necesita Reparos Simples	Estado h: Entre Reparos Importantes y Obsoletos
	Estado i: Obsoletos

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	a	b	c	d	e	f	g	h	i
0	0	0,320	2,49	8,090	18,170	33,000	52,490	75,320	100,000
001	1,000	1,317	3,465	9,811	18,988	33,759	52,965	75,567	100,000
002	2,000	2,314	4,440	10,722	19,807	34,428	53,440	75,814	100,000
003	3,000	3,310	5,415	11,633	20,625	35,097	53,915	76,060	100,000
004	4,000	4,307	6,390	12,544	21,443	35,766	54,390	76,307	100,000
005	5,000	5,304	7,366	13,455	22,262	36,436	54,866	76,554	100,000
006	6,000	6,301	8,341	14,366	23,080	37,105	55,341	76,801	100,000
007	7,000	7,298	9,316	15,277	23,898	37,774	55,816	77,048	100,000
008	8,000	8,294	10,291	16,188	24,716	38,443	56,291	77,294	100,000
009	9,000	9,291	11,266	17,099	25,535	39,112	56,766	77,541	100,000
010	10,000	10,288	12,241	18,010	26,353	39,781	57,241	77,788	100,000
011	11,000	11,285	13,216	18,921	27,171	40,450	57,716	78,035	100,000
012	12,000	12,282	14,191	19,832	27,990	41,119	58,191	78,282	100,000
013	13,000	13,278	15,166	20,743	28,808	41,788	58,666	78,528	100,000
014	14,000	14,275	16,141	21,654	29,626	42,457	59,141	78,775	100,000
015	15,000	15,272	17,117	22,565	30,445	43,127	59,617	79,022	100,000
016	16,000	16,269	18,092	23,476	31,263	43,796	60,092	79,269	100,000
017	17,000	17,266	19,067	24,387	32,081	44,465	60,567	79,516	100,000
018	18,000	18,262	20,042	25,298	32,899	45,134	61,042	79,762	100,000
019	19,000	19,259	21,017	26,209	33,718	45,803	61,517	80,009	100,000
020	20,000	20,256	21,992	27,120	34,536	46,472	61,992	80,256	100,000
021	21,000	21,253	22,967	28,031	35,354	47,141	62,467	80,503	100,000
022	22,000	22,250	23,942	28,942	36,173	47,810	62,942	80,750	100,000
023	23,000	23,246	24,917	29,853	36,991	48,479	63,417	80,996	100,000
024	24,000	24,243	25,892	30,764	37,809	49,148	63,892	81,243	100,000
025	25,000	25,240	26,868	31,675	38,628	49,818	64,368	81,490	100,000
026	26,000	26,237	27,843	32,586	39,446	50,487	64,843	81,737	100,000
027	27,000	27,234	28,818	33,497	40,264	51,156	65,318	81,984	100,000
028	28,000	28,230	29,793	34,408	41,082	51,825	65,793	82,230	100,000
029	29,000	29,227	30,768	35,319	41,901	52,494	66,268	82,477	100,000
030	30,000	30,224	31,743	36,230	42,719	53,163	66,743	82,724	100,000
031	31,000	31,221	32,718	37,141	43,537	53,832	67,218	82,971	100,000
032	32,000	32,218	33,693	38,052	44,356	54,501	67,693	83,218	100,000
033	33,000	33,214	34,668	38,963	45,174	55,170	68,168	83,464	100,000
034	34,000	34,211	35,643	39,874	45,992	55,839	68,643	83,711	100,000
035	35,000	35,208	36,619	40,785	46,811	56,509	69,119	83,958	100,000
036	36,000	36,205	37,594	41,696	47,629	57,178	69,594	84,205	100,000
037	37,000	37,202	38,569	42,607	48,447	57,847	70,069	84,452	100,000
038	38,000	38,198	39,544	43,518	49,265	58,516	70,544	84,698	100,000
039	39,000	39,195	40,519	44,429	50,084	59,185	71,019	84,945	100,000
040	40,000	40,192	41,494	45,340	50,902	59,854	71,494	85,192	100,000
041	41,000	41,189	42,469	46,251	51,720	60,523	71,969	85,439	100,000
042	42,000	42,186	43,444	47,162	52,539	61,192	72,444	85,686	100,000
043	43,000	43,182	44,419	48,073	53,357	61,861	72,919	85,932	100,000
044	44,000	44,179	45,394	48,984	54,175	62,530	73,394	86,179	100,000
045	45,000	45,176	46,370	49,895	54,994	63,200	73,870	86,426	100,000
046	46,000	46,173	47,345	50,806	55,812	63,869	74,345	86,673	100,000
047	47,000	47,170	48,320	51,717	56,630	64,538	74,820	86,920	100,000
048	48,000	48,166	49,295	52,628	57,448	65,207	75,295	87,166	100,000
049	49,000	49,163	50,270	53,539	58,267	65,876	75,770	87,413	100,000
050	50,000	50,160	51,245	54,450	59,085	66,545	76,245	87,660	100,000

TABLA: LINEA RECTA - HEIDECKE
DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

PRACTICADO POR JANS

Estado a: Nuevo Estado b: Entre Nuevo y Conservación Normal Estado c: Conservación Normal Estado d: Entre Normal y Necesita Reparos Simples	Estado e: Necesita Reparos Simples Estado f: Entre Necesita Reparos Simples e Importantes Estado g: Necesita Reparos Importantes Estado h: Entre Reparos Importantes y Obsoletos Estado i: Obsoletos
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Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	a	b	c	d	e	f	g	h	i
051	51,000	51,157	52,220	55,361	59,903	67,214	76,720	87,907	100,000
052	52,000	52,154	53,195	56,272	60,722	67,883	77,195	88,154	100,000
053	53,000	53,150	54,170	57,183	61,540	68,552	77,670	88,400	100,000
054	54,000	54,147	55,145	58,094	62,358	69,221	78,145	88,647	100,000
055	55,000	55,144	56,121	59,005	63,177	69,891	78,621	88,894	100,000
056	56,000	56,141	57,096	59,916	63,995	70,560	79,096	89,141	100,000
057	57,000	57,138	58,071	60,827	64,813	71,229	79,571	89,388	100,000
058	58,000	58,134	59,046	61,738	65,631	71,898	80,046	89,634	100,000
059	59,000	59,131	60,021	62,649	66,450	72,567	80,521	89,881	100,000
060	60,000	60,128	60,996	63,560	67,268	73,236	80,996	90,128	100,000
061	61,000	61,125	61,971	64,471	68,086	73,905	81,471	90,375	100,000
062	62,000	62,122	62,946	65,382	68,905	74,574	81,946	90,622	100,000
063	63,000	63,118	63,921	66,293	69,723	75,243	82,421	90,868	100,000
064	64,000	64,115	64,896	67,204	70,541	75,912	82,896	91,115	100,000
065	65,000	65,112	65,872	68,115	71,360	76,582	83,372	91,362	100,000
066	66,000	66,109	66,847	69,026	72,178	77,251	83,847	91,609	100,000
067	67,000	67,106	67,822	69,937	72,996	77,920	84,322	91,856	100,000
068	68,000	68,102	68,797	70,848	73,814	78,589	84,797	92,102	100,000
069	69,000	69,099	69,772	71,759	74,633	79,258	85,272	92,349	100,000
070	70,000	70,096	70,747	72,670	75,451	79,927	85,747	92,596	100,000
071	71,000	71,093	71,722	73,581	76,269	80,596	86,222	92,843	100,000
072	72,000	72,090	72,697	74,492	77,088	81,265	86,697	93,090	100,000
073	73,000	73,086	73,672	75,403	77,906	81,934	87,172	93,336	100,000
074	74,000	74,083	74,647	76,314	78,724	82,603	87,647	93,583	100,000
075	75,000	75,080	75,623	77,225	79,543	83,273	88,123	93,830	100,000
076	76,000	76,077	76,598	78,136	80,361	83,942	88,598	94,077	100,000
077	77,000	77,074	77,573	79,047	81,179	84,611	89,073	94,324	100,000
078	78,000	78,070	78,548	79,958	81,997	85,280	89,548	94,570	100,000
079	79,000	79,067	79,523	80,869	82,816	85,949	90,023	94,817	100,000
080	80,000	80,064	80,498	81,780	83,634	86,618	90,498	95,064	100,000
081	81,000	81,061	81,473	82,691	84,452	87,287	90,973	95,311	100,000
082	82,000	82,058	82,448	83,602	85,271	87,956	91,448	95,558	100,000
083	83,000	83,054	83,423	84,513	86,089	88,625	91,923	95,804	100,000
084	84,000	84,051	84,398	85,424	86,907	89,294	92,398	96,051	100,000
085	85,000	85,048	85,374	86,335	87,726	89,964	92,874	96,298	100,000
086	86,000	86,045	86,349	87,246	88,544	90,633	93,349	96,545	100,000
087	87,000	87,042	87,324	88,157	89,362	91,302	93,824	96,792	100,000
088	88,000	88,038	88,299	89,068	90,180	91,971	94,299	97,038	100,000
089	89,000	89,035	89,274	89,979	90,999	92,640	94,774	97,285	100,000
090	90,000	90,032	90,249	90,890	91,817	93,309	95,249	97,532	100,000
091	91,000	91,029	91,224	91,801	92,635	93,978	95,724	97,779	100,000
092	92,000	92,026	92,199	92,712	93,454	94,647	96,199	98,026	100,000
093	93,000	93,022	93,174	93,623	94,272	95,316	96,674	98,272	100,000
094	94,000	94,019	94,149	94,534	95,090	95,985	97,149	98,519	100,000
095	95,000	95,016	95,125	95,445	95,909	96,655	97,625	98,766	100,000
096	96,000	96,013	96,100	96,356	96,727	97,324	98,100	99,013	100,000
097	97,000	97,010	97,075	97,267	97,545	97,993	98,575	99,260	100,000
098	98,000	98,006	98,050	98,178	98,363	98,662	99,050	99,506	100,000
099	99,000	99,003	99,025	99,089	99,182	99,331	99,525	99,753	100,000
100	100,000	100,288	100,000	100,000	100,000	100,000	100,000	100,000	100,000

TABLA: KUENZLE - HEIDECKE
DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

PRACTICADO POR JANS

Estado a: Nuevo	Estado e: Necesita Reparos Simples
Estado b: Entre Nuevo y Conservación Normal	Estado f: Entre Necesita Reparos Simples e Importantes
Estado c: Conservación Normal	Estado g: Necesita Reparos Importantes
Estado d: Entre Normal y Necesita Reparos Simples	Estado h: Entre Reparos Importantes y Obsoletos
	Estado i: Obsoletos

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	a	b	c	d	e	f	g	h	i
0	0	0,320	2,49	8,090	18,170	33,000	52,490	75,320	100,000
001	0,010	0,330	2,500	8,099	18,178	33,097	52,495	75,322	100,000
002	0,040	0,360	2,529	8,127	18,203	33,117	52,509	75,330	100,000
003	0,090	0,410	2,578	8,173	18,244	33,150	52,533	75,342	100,000
004	0,160	0,479	2,646	8,237	18,301	33,197	52,566	75,359	100,000
005	0,250	0,569	2,734	8,320	18,375	33,257	52,609	75,382	100,000
006	0,360	0,679	2,841	8,421	18,465	33,331	52,661	75,409	100,000
007	0,490	0,808	2,968	8,540	18,571	33,418	52,723	75,441	100,000
008	0,640	0,958	3,114	8,678	18,694	33,518	52,794	75,478	100,000
009	0,810	1,127	3,280	8,834	18,833	33,632	52,875	75,520	100,000
010	1,000	1,317	3,465	9,009	18,988	33,759	52,965	75,567	100,000
011	1,210	1,526	3,670	9,202	19,160	33,900	53,065	75,619	100,000
012	1,440	1,755	3,894	9,414	19,348	34,054	53,174	75,675	100,000
013	1,690	2,005	4,138	9,643	19,553	34,221	53,293	75,737	100,000
014	1,960	2,274	4,401	9,891	19,774	34,401	53,421	75,804	100,000
015	2,250	2,563	4,684	10,158	20,011	34,595	53,559	75,875	100,000
016	2,560	2,872	4,986	10,443	20,265	34,803	53,706	75,952	100,000
017	2,890	3,201	5,308	10,746	20,535	35,024	53,863	76,033	100,000
018	3,240	3,550	5,649	11,068	20,821	35,258	54,029	76,120	100,000
019	3,610	3,918	6,010	11,408	21,124	35,505	54,205	76,211	100,000
020	4,000	4,307	6,390	11,766	21,443	35,766	54,390	76,307	100,000
021	4,410	4,716	6,790	12,143	21,779	36,041	54,585	76,408	100,000
022	4,840	5,145	7,209	12,538	22,131	36,328	54,789	76,515	100,000
023	5,290	5,593	7,648	12,952	22,499	36,630	55,003	76,626	100,000
024	5,760	6,062	8,107	13,384	22,883	36,944	55,227	76,742	100,000
025	6,250	6,550	8,584	13,834	23,284	37,272	55,459	76,863	100,000
026	6,760	7,058	9,082	14,303	23,702	37,613	55,702	76,988	100,000
027	7,290	7,587	9,598	14,790	24,135	37,968	55,953	77,119	100,000
028	7,840	8,135	10,135	15,296	24,585	38,336	56,215	77,255	100,000
029	8,410	8,703	10,691	15,820	25,052	38,717	56,486	77,396	100,000
030	9,000	9,291	11,266	16,362	25,535	39,112	56,766	77,541	100,000
031	9,610	9,899	11,861	16,923	26,034	39,520	57,056	77,692	100,000
032	10,240	10,527	12,475	17,502	26,549	39,942	57,355	77,847	100,000
033	10,890	11,175	13,109	18,099	27,081	40,376	57,664	78,008	100,000
034	11,560	11,843	13,762	18,715	27,630	40,825	57,982	78,173	100,000
035	12,250	12,531	14,435	19,349	28,194	41,286	58,310	78,343	100,000
036	12,960	13,239	15,127	20,002	28,775	41,762	58,647	78,519	100,000
037	13,690	13,966	15,839	20,672	29,373	42,250	58,994	78,699	100,000
038	14,440	14,714	16,570	21,362	29,986	42,752	59,350	78,884	100,000
039	15,210	15,481	17,321	22,070	30,616	43,267	59,716	79,074	100,000
040	16,000	16,269	18,092	22,796	31,263	43,796	60,092	79,269	100,000
041	16,810	17,076	18,881	23,540	31,926	44,338	60,476	79,469	100,000
042	17,640	17,904	19,691	24,303	32,605	44,893	60,871	79,674	100,000
043	18,490	18,751	20,520	25,084	33,300	45,462	61,275	79,883	100,000
044	19,360	19,618	21,368	25,884	34,012	46,044	61,688	80,098	100,000
045	20,250	20,505	22,236	26,702	34,741	46,639	62,111	80,318	100,000
046	21,160	21,412	23,123	27,538	35,485	47,248	62,543	80,542	100,000
047	22,090	22,339	24,030	28,393	36,246	47,870	62,985	80,772	100,000
048	23,040	23,286	24,956	29,266	37,024	48,506	63,436	81,006	100,000
049	24,010	24,253	25,902	30,158	37,817	49,155	63,897	81,246	100,000
050	25,000	25,240	26,868	31,068	38,628	49,818	64,368	81,490	100,000

TABLA: KUENZLE - HEIDECKE
DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

PRACTICADO POR JANS

Estado a: Nuevo	Estado e: Necesita Reparos Simples
Estado b: Entre Nuevo y Conservación Normal	Estado f: Entre Necesita Reparos Simples e Importantes
Estado c: Conservación Normal	Estado g: Necesita Reparos Importantes
Estado d: Entre Normal y Necesita Reparos Simples	Estado h: Entre Reparos Importantes y Obsoletos
	Estado i: Obsoletos

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	a	b	c	d	e	f	g	h	i
051	26,010	26,247	27,852	31,996	39,454	50,493	64,847	81,739	100,000
052	27,040	27,273	28,857	32,942	40,297	51,182	65,337	81,993	100,000
053	28,090	28,320	29,881	33,908	41,156	51,885	65,836	82,253	100,000
054	29,160	29,387	30,924	34,891	42,032	52,601	66,344	82,517	100,000
055	30,250	30,473	31,987	35,893	42,924	53,330	66,862	82,786	100,000
056	31,360	31,580	33,069	36,913	43,832	54,073	67,389	83,060	100,000
057	32,490	32,706	34,171	37,952	44,757	54,829	67,926	83,339	100,000
058	33,640	33,852	35,292	39,009	45,698	55,599	68,472	83,622	100,000
059	34,810	35,019	36,433	40,084	46,655	56,381	69,028	83,911	100,000
060	36,000	36,205	37,594	41,178	47,629	57,178	69,594	84,205	100,000
061	37,210	37,411	38,773	42,290	48,619	57,987	70,168	84,503	100,000
062	38,440	38,637	39,973	43,420	49,625	58,810	70,753	84,807	100,000
063	39,690	39,883	41,192	44,569	50,648	59,647	71,347	85,115	100,000
064	40,960	41,149	42,430	45,736	51,688	60,496	71,950	85,429	100,000
065	42,250	42,435	43,688	46,922	52,743	61,359	72,563	85,747	100,000
066	43,560	43,741	44,965	48,126	53,815	62,236	73,185	86,071	100,000
067	44,890	45,066	46,262	49,348	54,903	63,126	73,817	86,399	100,000
068	46,240	46,412	47,579	50,589	56,008	64,029	74,459	86,732	100,000
069	47,610	47,778	48,915	51,848	57,129	64,946	75,110	87,070	100,000
070	49,000	49,163	50,270	53,126	58,267	65,876	75,770	87,413	100,000
071	50,410	50,569	51,645	54,422	59,421	66,819	76,440	87,761	100,000
072	51,840	51,994	53,039	55,736	60,591	67,776	77,119	88,114	100,000
073	53,290	53,439	54,453	57,069	61,777	68,746	77,808	88,472	100,000
074	54,760	54,905	55,886	58,420	62,980	69,730	78,506	88,835	100,000
075	56,250	56,390	57,339	59,789	64,199	70,727	79,214	89,203	100,000
076	57,760	57,895	58,812	61,177	65,435	71,737	79,932	89,575	100,000
077	59,290	59,420	60,304	62,583	66,687	72,761	80,659	89,953	100,000
078	60,840	60,965	61,815	64,008	67,955	73,798	81,395	90,335	100,000
079	62,410	62,530	63,346	65,451	69,240	74,849	82,141	90,723	100,000
080	64,000	64,115	64,896	66,912	70,541	75,912	82,896	91,115	100,000
081	65,610	65,720	66,466	68,392	71,859	76,990	83,661	91,513	100,000
082	67,240	67,345	68,056	69,890	73,192	78,080	84,436	91,915	100,000
083	68,890	68,990	69,665	71,407	74,543	79,184	85,220	92,322	100,000
084	70,560	70,654	71,293	72,942	75,909	80,302	86,013	92,734	100,000
085	72,250	72,339	72,941	74,495	77,292	81,432	86,816	93,151	100,000
086	73,960	74,043	74,608	76,067	78,691	82,577	87,628	93,573	100,000
087	75,690	75,768	76,295	77,657	80,107	83,734	88,450	94,000	100,000
088	77,440	77,512	78,002	79,265	81,539	84,905	89,282	94,432	100,000
089	79,210	79,277	79,728	80,892	82,988	86,089	90,123	94,869	100,000
090	81,000	81,061	81,473	82,537	84,452	87,287	90,973	95,311	100,000
091	82,810	82,865	83,238	84,201	85,933	88,498	91,833	95,758	100,000
092	84,640	84,689	85,022	85,883	87,431	89,723	92,702	96,209	100,000
093	86,490	86,533	86,826	87,583	88,945	90,960	93,581	96,666	100,000
094	88,360	88,397	88,650	89,302	90,475	92,212	94,470	97,127	100,000
095	90,250	90,281	90,493	91,039	92,022	93,476	95,368	97,594	100,000
096	92,160	92,185	92,355	92,794	93,585	94,754	96,275	98,065	100,000
097	94,090	94,109	94,237	94,568	95,164	96,046	97,192	98,541	100,000
098	96,040	96,053	96,139	96,360	96,760	97,350	98,119	99,023	100,000
099	98,010	98,016	98,060	98,171	98,372	98,668	99,055	99,509	100,000
100	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000

TABLA: KUENTZLE INVERTIDA - HEIDECKE
DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

PRACTICADO POR JANS

Estado a: Nuevo Estado b: Entre Nuevo y Conservación Normal Estado c: Conservación Normal Estado d: Entre Normal y Necesita Reparos Simples	Estado e: Necesita Reparos Simples Estado f: Entre Necesita Reparos Simples e Importantes Estado g: Necesita Reparos Importantes Estado h: Entre Reparos Importantes y Obsoletos Estado i: Obsoletos
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Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	a	b	c	d	e	f	g	h	i
0	0	0,320	2,49	8,090	18,170	33,000	52,490	75,320	100,000
001	10,000	10,288	12,241	17,281	26,353	39,781	57,241	77,788	100,000
002	14,142	14,417	16,280	21,088	29,743	42,553	59,209	78,810	100,000
003	17,321	17,585	19,379	24,009	32,343	44,679	60,719	79,595	100,000
004	20,000	20,256	21,992	26,472	34,536	46,472	61,992	80,256	100,000
005	22,361	22,609	24,294	28,642	36,468	48,052	63,114	80,839	100,000
006	24,495	24,737	26,375	30,603	38,214	49,480	64,128	81,365	100,000
007	26,458	26,693	28,289	32,407	39,820	50,793	65,060	81,850	100,000
008	28,284	28,514	30,070	34,086	41,315	52,015	65,928	82,301	100,000
009	30,000	30,224	31,743	35,663	42,719	53,163	66,743	82,724	100,000
010	31,623	31,842	33,325	37,154	44,047	54,249	67,514	83,125	100,000
011	33,166	33,380	34,830	38,573	45,310	55,282	68,247	83,505	100,000
012	34,641	34,850	36,268	39,929	46,517	56,268	68,948	83,869	100,000
013	36,056	36,260	37,648	41,229	47,674	57,215	69,620	84,219	100,000
014	37,417	37,617	38,975	42,480	48,788	58,125	70,267	84,554	100,000
015	38,730	38,926	40,255	43,687	49,863	59,004	70,891	84,879	100,000
016	40,000	40,192	41,494	44,854	50,902	59,854	71,494	85,192	100,000
017	41,231	41,419	42,694	45,985	51,909	60,678	72,079	85,496	100,000
018	42,426	42,611	43,860	47,084	52,888	61,478	72,647	85,791	100,000
019	43,589	43,770	44,994	48,153	53,839	62,255	73,199	86,078	100,000
020	44,721	44,898	46,098	49,193	54,765	63,013	73,737	86,357	100,000
021	45,826	45,999	47,175	50,208	55,669	63,752	74,262	86,630	100,000
022	46,904	47,074	48,226	51,200	56,552	64,474	74,774	86,896	100,000
023	47,958	48,125	49,254	52,168	57,414	65,179	75,275	87,156	100,000
024	48,990	49,153	50,260	53,117	58,258	65,869	75,765	87,411	100,000
025	50,000	50,160	51,245	54,045	59,085	66,545	76,245	87,660	100,000
026	50,990	51,147	52,211	54,955	59,895	67,208	76,715	87,904	100,000
027	51,962	52,115	53,158	55,848	60,690	67,857	77,177	88,144	100,000
028	52,915	53,066	54,087	56,724	61,470	68,495	77,630	88,379	100,000
029	53,852	53,999	55,001	57,585	62,237	69,122	78,075	88,611	100,000
030	54,772	54,917	55,898	58,431	62,990	69,738	78,512	88,838	100,000
031	55,678	55,819	56,781	59,263	63,731	70,344	78,942	89,061	100,000
032	56,569	56,708	57,650	60,082	64,460	70,940	79,366	89,281	100,000
033	57,446	57,582	58,505	60,888	65,178	71,527	79,782	89,498	100,000
034	58,310	58,443	59,348	61,682	65,885	72,105	80,193	89,711	100,000
035	59,161	59,291	60,178	62,465	66,581	72,674	80,597	89,921	100,000
036	60,000	60,128	60,996	63,236	67,268	73,236	80,996	90,128	100,000
037	60,828	60,953	61,803	63,997	67,945	73,790	81,389	90,332	100,000
038	61,644	61,767	62,599	64,747	68,613	74,336	81,777	90,534	100,000
039	62,450	62,570	63,385	65,488	69,273	74,875	82,160	90,733	100,000
040	63,246	63,363	64,161	66,219	69,924	75,408	82,538	90,929	100,000
041	64,031	64,146	64,927	66,941	70,567	75,933	82,911	91,123	100,000
042	64,807	64,920	65,684	67,654	71,202	76,453	83,280	91,314	100,000
043	65,574	65,685	66,432	68,359	71,830	76,966	83,644	91,504	100,000
044	66,332	66,440	67,171	69,056	72,450	77,473	84,005	91,691	100,000
045	67,082	67,187	67,902	69,745	73,063	77,975	84,361	91,876	100,000
046	67,823	67,926	68,624	70,426	73,670	78,471	84,713	92,059	100,000
047	68,557	68,657	69,339	71,100	74,270	78,961	85,061	92,240	100,000
048	69,282	69,380	70,047	71,767	74,863	79,447	85,406	92,419	100,000
049	70,000	70,096	70,747	72,427	75,451	79,927	85,747	92,596	100,000
050	70,711	70,804	71,440	73,080	76,033	80,403	86,085	92,771	100,000

TABLA: KUENTZLE INVERTIDA - HEIDECKE
DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

PRACTICADO POR JANS

Estado a: Nuevo Estado b: Entre Nuevo y Conservación Normal Estado c: Conservación Normal Estado d: Entre Normal y Necesita Reparos Simples	Estado e: Necesita Reparos Simples Estado f: Entre Necesita Reparos Simples e Importantes Estado g: Necesita Reparos Importantes Estado h: Entre Reparos Importantes y Obsoletos Estado i: Obsoletos
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Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	a	b	c	d	e	f	g	h	i
051	71,414	71,506	72,126	73,727	76,608	80,873	86,419	92,945	100,000
052	72,111	72,200	72,805	74,367	77,178	81,339	86,750	93,117	100,000
053	72,801	72,888	73,478	75,001	77,743	81,801	87,078	93,287	100,000
054	73,485	73,570	74,145	75,630	78,303	82,259	87,403	93,456	100,000
055	74,162	74,245	74,805	76,252	78,857	82,712	87,724	93,623	100,000
056	74,833	74,914	75,460	76,869	79,406	83,161	88,043	93,789	100,000
057	75,498	75,577	76,108	77,481	79,950	83,606	88,359	93,953	100,000
058	76,158	76,234	76,751	78,087	80,490	84,047	88,673	94,116	100,000
059	76,811	76,886	77,389	78,687	81,025	84,485	88,983	94,277	100,000
060	77,460	77,532	78,021	79,283	81,555	84,918	89,291	94,437	100,000
061	78,102	78,173	78,648	79,874	82,081	85,348	89,596	94,596	100,000
062	78,740	78,808	79,269	80,460	82,603	85,775	89,899	94,753	100,000
063	79,373	79,439	79,886	81,041	83,121	86,198	90,200	94,909	100,000
064	80,000	80,064	80,498	81,618	83,634	86,618	90,498	95,064	100,000
065	80,623	80,685	81,105	82,190	84,143	87,035	90,794	95,218	100,000
066	81,240	81,300	81,707	82,758	84,649	87,448	91,087	95,370	100,000
067	81,854	81,912	82,305	83,322	85,151	87,858	91,379	95,521	100,000
068	82,462	82,518	82,899	83,881	85,649	88,265	91,668	95,672	100,000
069	83,066	83,120	83,488	84,436	86,143	88,670	91,955	95,821	100,000
070	83,666	83,718	84,073	84,987	86,634	89,071	92,240	95,969	100,000
071	84,261	84,312	84,653	85,535	87,121	89,469	92,523	96,116	100,000
072	84,853	84,901	85,230	86,078	87,605	89,865	92,804	96,262	100,000
073	85,440	85,487	85,803	86,618	88,086	90,258	93,083	96,407	100,000
074	86,023	86,068	86,371	87,154	88,563	90,648	93,360	96,551	100,000
075	86,603	86,645	86,936	87,686	89,037	91,036	93,635	96,694	100,000
076	87,178	87,219	87,497	88,215	89,508	91,421	93,908	96,836	100,000
077	87,750	87,789	88,055	88,741	89,976	91,803	94,180	96,977	100,000
078	88,318	88,355	88,609	89,263	90,440	92,183	94,450	97,117	100,000
079	88,882	88,918	89,159	89,781	90,902	92,561	94,718	97,256	100,000
080	89,443	89,477	89,706	90,297	91,361	92,936	94,984	97,394	100,000
081	90,000	90,032	90,249	90,809	91,817	93,309	95,249	97,532	100,000
082	90,554	90,584	90,789	91,318	92,270	93,680	95,512	97,669	100,000
083	91,104	91,133	91,326	91,824	92,721	94,048	95,774	97,805	100,000
084	91,652	91,678	91,859	92,327	93,168	94,414	96,034	97,940	100,000
085	92,195	92,220	92,390	92,827	93,614	94,778	96,292	98,074	100,000
086	92,736	92,759	92,917	93,324	94,056	95,140	96,549	98,207	100,000
087	93,274	93,295	93,441	93,818	94,496	95,499	96,804	98,340	100,000
088	93,808	93,828	93,962	94,309	94,933	95,857	97,058	98,472	100,000
089	94,340	94,358	94,481	94,798	95,368	96,213	97,311	98,603	100,000
090	94,868	94,885	94,996	95,283	95,801	96,566	97,562	98,734	100,000
091	95,394	95,409	95,509	95,767	96,231	96,918	97,812	98,863	100,000
092	95,917	95,930	96,018	96,247	96,659	97,268	98,060	98,992	100,000
093	96,437	96,448	96,525	96,725	97,084	97,616	98,307	99,121	100,000
094	96,954	96,963	97,029	97,200	97,507	97,962	98,553	99,248	100,000
095	97,468	97,476	97,531	97,673	97,928	98,306	98,797	99,375	100,000
096	97,980	97,986	98,030	98,143	98,347	98,648	99,040	99,501	100,000
097	98,489	98,493	98,526	98,611	98,763	98,989	99,282	99,627	100,000
098	98,995	98,998	99,020	99,076	99,178	99,328	99,523	99,752	100,000
099	99,499	99,500	99,511	99,539	99,590	99,665	99,762	99,876	100,000
100	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000

TABLA: ROSS INVERTIDA - HEIDECKE
DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

PRACTICADO POR JANS

Estado a: Nuevo	Estado e: Necesita Reparos Simples
Estado b: Entre Nuevo y Conservación Normal	Estado f: Entre Necesita Reparos Simples e Importantes
Estado c: Conservación Normal	Estado g: Necesita Reparos Importantes
Estado d: Entre Normal y Necesita Reparos Simples	Estado h: Entre Reparos Importantes y Obsoletos
	Estado i: Obsoletos

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	a	b	c	d	e	f	g	h	i
0	0	0,320	2,49	8,090	18,170	33,000	52,490	75,320	100,000
001	5,500	5,802	7,853	13,145	22,671	36,770	55,103	76,677	100,000
002	8,071	8,365	10,360	15,508	24,775	38,490	56,325	77,312	100,000
003	10,160	10,448	12,397	17,428	26,484	39,888	57,317	77,828	100,000
004	12,000	12,282	14,191	19,119	27,990	41,119	58,191	78,282	100,000
005	13,680	13,957	15,830	20,664	29,365	42,244	58,990	78,696	100,000
006	15,247	15,519	17,358	22,104	30,647	43,292	59,734	79,083	100,000
007	16,729	16,995	18,802	23,465	31,859	44,283	60,438	79,449	100,000
008	18,142	18,404	20,180	24,764	33,016	45,229	61,109	79,797	100,000
009	19,500	19,758	21,504	26,012	34,127	46,137	61,754	80,133	100,000
010	20,811	21,065	22,783	27,218	35,200	47,015	62,377	80,456	100,000
011	22,083	22,332	24,023	28,387	36,241	47,866	62,982	80,770	100,000
012	23,321	23,566	25,230	29,524	37,253	48,694	63,570	81,076	100,000
013	24,528	24,769	26,407	30,633	38,241	49,502	64,143	81,373	100,000
014	25,708	25,946	27,558	31,718	39,207	50,291	64,704	81,665	100,000
015	26,865	27,099	28,686	32,782	40,154	51,065	65,254	81,950	100,000
016	28,000	28,230	29,793	33,825	41,082	51,825	65,793	82,230	100,000
017	29,116	29,342	30,881	34,850	41,995	52,571	66,323	82,506	100,000
018	30,213	30,437	31,951	35,859	42,893	53,306	66,844	82,777	100,000
019	31,294	31,514	33,005	36,853	43,778	54,029	67,358	83,043	100,000
020	32,361	32,577	34,045	37,833	44,651	54,743	67,865	83,307	100,000
021	33,413	33,626	35,071	38,800	45,512	55,447	68,364	83,566	100,000
022	34,452	34,662	36,084	39,755	46,362	56,142	68,858	83,823	100,000
023	35,479	35,686	37,086	40,699	47,203	56,829	69,346	84,076	100,000
024	36,495	36,698	38,076	41,632	48,034	57,509	69,829	84,327	100,000
025	37,500	37,700	39,056	42,556	48,856	58,181	70,306	84,575	100,000
026	38,495	38,692	40,027	43,471	49,671	58,847	70,779	84,821	100,000
027	39,481	39,674	40,988	44,377	50,477	59,507	71,247	85,064	100,000
028	40,458	40,648	41,940	45,275	51,276	60,160	71,711	85,305	100,000
029	41,426	41,613	42,884	46,164	52,069	60,808	72,171	85,544	100,000
030	42,386	42,570	43,821	47,047	52,855	61,451	72,628	85,781	100,000
031	43,339	43,520	44,750	47,923	53,634	62,088	73,080	86,016	100,000
032	44,284	44,463	45,672	48,792	54,408	62,721	73,529	86,249	100,000
033	45,223	45,398	46,587	49,654	55,176	63,349	73,975	86,481	100,000
034	46,155	46,327	47,496	50,511	55,938	63,972	74,418	86,711	100,000
035	47,080	47,250	48,398	51,362	56,696	64,591	74,858	86,939	100,000
036	48,000	48,166	49,295	52,207	57,448	65,207	75,295	87,166	100,000
037	48,914	49,077	50,186	53,047	58,196	65,818	75,729	87,392	100,000
038	49,822	49,983	51,072	53,881	58,939	66,426	76,160	87,616	100,000
039	50,725	50,883	51,952	54,711	59,678	67,030	76,589	87,839	100,000
040	51,623	51,778	52,827	55,536	60,413	67,631	77,016	88,061	100,000
041	52,516	52,668	53,698	56,357	61,144	68,228	77,440	88,281	100,000
042	53,404	53,553	54,564	57,173	61,870	68,822	77,862	88,500	100,000
043	54,287	54,433	55,425	57,985	62,593	69,414	78,282	88,718	100,000
044	55,166	55,310	56,283	58,793	63,313	70,002	78,699	88,935	100,000
045	56,041	56,182	57,136	59,597	64,028	70,587	79,115	89,151	100,000
046	56,912	57,050	57,985	60,397	64,741	71,170	79,529	89,366	100,000
047	57,778	57,913	58,830	61,194	65,450	71,749	79,940	89,580	100,000
048	58,641	58,773	59,671	61,987	66,156	72,327	80,350	89,793	100,000
049	59,500	59,630	60,508	62,776	66,859	72,901	80,758	90,005	100,000
050	60,355	60,482	61,342	63,563	67,559	73,474	81,165	90,216	100,000

TABLA: ROSS INVERTIDA - HEIDECKE
DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

PRACTICADO POR JANS

Estado a: Nuevo Estado b: Entre Nuevo y Conservación Normal Estado c: Conservación Normal Estado d: Entre Normal y Necesita Reparos Simples	Estado e: Necesita Reparos Simples Estado f: Entre Necesita Reparos Simples e Importantes Estado g: Necesita Reparos Importantes Estado h: Entre Reparos Importantes y Obsoletos Estado i: Obsoletos
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Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	a	b	c	d	e	f	g	h	i
051	61,207	61,331	62,173	64,345	68,256	74,044	81,570	90,426	100,000
052	62,056	62,177	63,000	65,125	68,950	74,611	81,973	90,635	100,000
053	62,901	63,019	63,824	65,902	69,642	75,177	82,374	90,844	100,000
054	63,742	63,858	64,645	66,676	70,330	75,740	82,774	91,052	100,000
055	64,581	64,694	65,463	67,446	71,017	76,301	83,172	91,259	100,000
056	65,417	65,527	66,278	68,214	71,700	76,860	83,569	91,465	100,000
057	66,249	66,357	67,090	68,980	72,382	77,417	83,965	91,670	100,000
058	67,079	67,184	67,899	69,742	73,061	77,972	84,359	91,875	100,000
059	67,906	68,008	68,705	70,502	73,737	78,526	84,752	92,079	100,000
060	68,730	68,830	69,508	71,260	74,412	79,077	85,144	92,283	100,000
061	69,551	69,649	70,309	72,015	75,084	79,627	85,534	92,485	100,000
062	70,370	70,465	71,108	72,767	75,754	80,175	85,923	92,687	100,000
063	71,186	71,278	71,904	73,517	76,422	80,721	86,311	92,889	100,000
064	72,000	72,090	72,697	74,265	77,088	81,265	86,697	93,090	100,000
065	72,811	72,898	73,488	75,011	77,751	81,808	87,083	93,290	100,000
066	73,620	73,705	74,277	75,754	78,413	82,349	87,467	93,489	100,000
067	74,427	74,509	75,064	76,496	79,073	82,889	87,850	93,689	100,000
068	75,231	75,310	75,848	77,235	79,732	83,427	88,232	93,887	100,000
069	76,033	76,110	76,630	77,972	80,388	83,964	88,613	94,085	100,000
070	76,833	76,907	77,410	78,707	81,042	84,499	88,993	94,282	100,000
071	77,631	77,702	78,188	79,440	81,695	85,033	89,372	94,479	100,000
072	78,426	78,495	78,964	80,172	82,346	85,565	89,750	94,676	100,000
073	79,220	79,287	79,737	80,901	82,996	86,096	90,127	94,872	100,000
074	80,012	80,076	80,509	81,629	83,644	86,626	90,504	95,067	100,000
075	80,801	80,863	81,279	82,354	84,290	87,154	90,879	95,262	100,000
076	81,589	81,648	82,047	83,078	84,934	87,681	91,253	95,456	100,000
077	82,375	82,431	82,814	83,801	85,577	88,207	91,626	95,650	100,000
078	83,159	83,213	83,578	84,521	86,219	88,732	91,999	95,844	100,000
079	83,941	83,992	84,341	85,240	86,859	89,255	92,370	96,037	100,000
080	84,721	84,770	85,102	85,957	87,497	89,777	92,741	96,229	100,000
081	85,500	85,546	85,861	86,673	88,135	90,298	93,111	96,421	100,000
082	86,277	86,321	86,619	87,387	88,770	90,818	93,480	96,613	100,000
083	87,052	87,094	87,375	88,100	89,405	91,337	93,848	96,804	100,000
084	87,826	87,865	88,129	88,811	90,038	91,854	94,216	96,995	100,000
085	88,598	88,634	88,882	89,520	90,670	92,371	94,583	97,186	100,000
086	89,368	89,402	89,633	90,228	91,300	92,886	94,949	97,376	100,000
087	90,137	90,168	90,382	90,935	91,929	93,401	95,314	97,566	100,000
088	90,904	90,933	91,131	91,640	92,557	93,914	95,679	97,755	100,000
089	91,670	91,697	91,877	92,344	93,183	94,426	96,042	97,944	100,000
090	92,434	92,458	92,623	93,046	93,809	94,938	96,405	98,133	100,000
091	93,197	93,219	93,366	93,747	94,433	95,448	96,768	98,321	100,000
092	93,958	93,978	94,109	94,447	95,056	95,958	97,130	98,509	100,000
093	94,718	94,735	94,850	95,146	95,678	96,466	97,491	98,696	100,000
094	95,477	95,491	95,589	95,843	96,299	96,974	97,851	98,884	100,000
095	96,234	96,246	96,328	96,539	96,918	97,480	98,211	99,071	100,000
096	96,990	96,999	97,065	97,233	97,537	97,986	98,570	99,257	100,000
097	97,744	97,752	97,800	97,927	98,154	98,491	98,928	99,443	100,000
098	98,497	98,502	98,535	98,619	98,770	98,995	99,286	99,629	100,000
099	99,249	99,252	99,268	99,310	99,386	99,498	99,643	99,815	100,000
100	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo	Estado 3: Necesita Reparos Simples
Estado 1,5: Entre Nuevo y Conservación Normal	Estado 3,5: Entre Necesita Reparos Simples e Importantes
Estado 2: Conservación Normal	Estado 4: Necesita Reparos Importantes
Estado 2,5: Entre Normal y Necesita Reparos Simples	Estado 4,5: Entre Reparos Importantes y Obsoletos
	Estado 5: Obsoletos

X = 0,50

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
001	0,010	0,330	2,500	8,099	18,178	33,097	52,495	75,322	100,000
002	0,040	0,360	2,529	8,127	18,203	33,117	52,509	75,330	100,000
003	0,090	0,410	2,578	8,173	18,244	33,150	52,533	75,342	100,000
004	0,160	0,479	2,646	8,237	18,301	33,197	52,566	75,359	100,000
005	0,250	0,569	2,734	8,320	18,375	33,257	52,609	75,382	100,000
006	0,360	0,679	2,841	8,421	18,465	33,331	52,661	75,409	100,000
007	0,490	0,808	2,968	8,540	18,571	33,418	52,723	75,441	100,000
008	0,640	0,958	3,114	8,678	18,694	33,518	52,794	75,478	100,000
009	0,810	1,127	3,280	8,834	18,833	33,632	52,875	75,520	100,000
010	1,000	1,317	3,465	9,009	18,988	33,759	52,965	75,567	100,000
011	1,210	1,526	3,670	9,202	19,160	33,900	53,065	75,619	100,000
012	1,440	1,755	3,894	9,414	19,348	34,054	53,174	75,675	100,000
013	1,690	2,005	4,138	9,643	19,553	34,221	53,293	75,737	100,000
014	1,960	2,274	4,401	9,891	19,774	34,401	53,421	75,804	100,000
015	2,250	2,563	4,684	10,158	20,011	34,595	53,559	75,875	100,000
016	2,560	2,872	4,986	10,443	20,265	34,803	53,706	75,952	100,000
017	2,890	3,201	5,308	10,746	20,535	35,024	53,863	76,033	100,000
018	3,240	3,550	5,649	11,068	20,821	35,258	54,029	76,120	100,000
019	3,610	3,918	6,010	11,408	21,124	35,505	54,205	76,211	100,000
020	4,000	4,307	6,390	11,766	21,443	35,766	54,390	76,307	100,000
021	4,410	4,716	6,790	12,143	21,779	36,041	54,585	76,408	100,000
022	4,840	5,145	7,209	12,538	22,131	36,328	54,789	76,515	100,000
023	5,290	5,593	7,648	12,952	22,499	36,630	55,003	76,626	100,000
024	5,760	6,062	8,107	13,384	22,883	36,944	55,227	76,742	100,000
025	6,250	6,550	8,584	13,834	23,284	37,272	55,459	76,863	100,000
026	6,760	7,058	9,082	14,303	23,702	37,613	55,702	76,988	100,000
027	7,290	7,587	9,598	14,790	24,135	37,968	55,953	77,119	100,000
028	7,840	8,135	10,135	15,296	24,585	38,336	56,215	77,255	100,000
029	8,410	8,703	10,691	15,820	25,052	38,717	56,486	77,396	100,000
030	9,000	9,291	11,266	16,362	25,535	39,112	56,766	77,541	100,000
031	9,610	9,899	11,861	16,923	26,034	39,520	57,056	77,692	100,000
032	10,240	10,527	12,475	17,502	26,549	39,942	57,355	77,847	100,000
033	10,890	11,175	13,109	18,099	27,081	40,376	57,664	78,008	100,000
034	11,560	11,843	13,762	18,715	27,630	40,825	57,982	78,173	100,000
035	12,250	12,531	14,435	19,349	28,194	41,286	58,310	78,343	100,000
036	12,960	13,239	15,127	20,002	28,775	41,762	58,647	78,519	100,000
037	13,690	13,966	15,839	20,672	29,373	42,250	58,994	78,699	100,000
038	14,440	14,714	16,570	21,362	29,986	42,752	59,350	78,884	100,000
039	15,210	15,481	17,321	22,070	30,616	43,267	59,716	79,074	100,000
040	16,000	16,269	18,092	22,796	31,263	43,796	60,092	79,269	100,000
041	16,810	17,076	18,881	23,540	31,926	44,338	60,476	79,469	100,000
042	17,640	17,904	19,691	24,303	32,605	44,893	60,871	79,674	100,000
043	18,490	18,751	20,520	25,084	33,300	45,462	61,275	79,883	100,000
044	19,360	19,618	21,368	25,884	34,012	46,044	61,688	80,098	100,000
045	20,250	20,505	22,236	26,702	34,741	46,639	62,111	80,318	100,000
046	21,160	21,412	23,123	27,538	35,485	47,248	62,543	80,542	100,000
047	22,090	22,339	24,030	28,393	36,246	47,870	62,985	80,772	100,000
048	23,040	23,286	24,956	29,266	37,024	48,506	63,436	81,006	100,000
049	24,010	24,253	25,902	30,158	37,817	49,155	63,897	81,246	100,000
050	25,000	25,240	26,868	31,068	38,628	49,818	64,368	81,490	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo

Estado 1,5: Entre Nuevo y Conservación Normal

Estado 2: Conservación Normal

Estado 2,5: Entre Normal y Necesita Reparos Simples

Estado 3: Necesita Reparos Simples

Estado 3,5: Entre Necesita Reparos Simples e Importantes

Estado 4: Necesita Reparos Importantes

Estado 4,5: Entre Reparos Importantes y Obsoletos

Estado 5: Obsoletos

X = 0,50

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
051	26,010	26,247	27,852	31,996	39,454	50,493	64,847	81,739	100,000
052	27,040	27,273	28,857	32,942	40,297	51,182	65,337	81,993	100,000
053	28,090	28,320	29,881	33,908	41,156	51,885	65,836	82,253	100,000
054	29,160	29,387	30,924	34,891	42,032	52,601	66,344	82,517	100,000
055	30,250	30,473	31,987	35,893	42,924	53,330	66,862	82,786	100,000
056	31,360	31,580	33,069	36,913	43,832	54,073	67,389	83,060	100,000
057	32,490	32,706	34,171	37,952	44,757	54,829	67,926	83,339	100,000
058	33,640	33,852	35,292	39,009	45,698	55,599	68,472	83,622	100,000
059	34,810	35,019	36,433	40,084	46,655	56,381	69,028	83,911	100,000
060	36,000	36,205	37,594	41,178	47,629	57,178	69,594	84,205	100,000
061	37,210	37,411	38,773	42,290	48,619	57,987	70,168	84,503	100,000
062	38,440	38,637	39,973	43,420	49,625	58,810	70,753	84,807	100,000
063	39,690	39,883	41,192	44,569	50,648	59,647	71,347	85,115	100,000
064	40,960	41,149	42,430	45,736	51,688	60,496	71,950	85,429	100,000
065	42,250	42,435	43,688	46,922	52,743	61,359	72,563	85,747	100,000
066	43,560	43,741	44,965	48,126	53,815	62,236	73,185	86,071	100,000
067	44,890	45,066	46,262	49,348	54,903	63,126	73,817	86,399	100,000
068	46,240	46,412	47,579	50,589	56,008	64,029	74,459	86,732	100,000
069	47,610	47,778	48,915	51,848	57,129	64,946	75,110	87,070	100,000
070	49,000	49,163	50,270	53,126	58,267	65,876	75,770	87,413	100,000
071	50,410	50,569	51,645	54,422	59,421	66,819	76,440	87,761	100,000
072	51,840	51,994	53,039	55,736	60,591	67,776	77,119	88,114	100,000
073	53,290	53,439	54,453	57,069	61,777	68,746	77,808	88,472	100,000
074	54,760	54,905	55,886	58,420	62,980	69,730	78,506	88,835	100,000
075	56,250	56,390	57,339	59,789	64,199	70,727	79,214	89,203	100,000
076	57,760	57,895	58,812	61,177	65,435	71,737	79,932	89,575	100,000
077	59,290	59,420	60,304	62,583	66,687	72,761	80,659	89,953	100,000
078	60,840	60,965	61,815	64,008	67,955	73,798	81,395	90,335	100,000
079	62,410	62,530	63,346	65,451	69,240	74,849	82,141	90,723	100,000
080	64,000	64,115	64,896	66,912	70,541	75,912	82,896	91,115	100,000
081	65,610	65,720	66,466	68,392	71,859	76,990	83,661	91,513	100,000
082	67,240	67,345	68,056	69,890	73,192	78,080	84,436	91,915	100,000
083	68,890	68,990	69,665	71,407	74,543	79,184	85,220	92,322	100,000
084	70,560	70,654	71,293	72,942	75,909	80,302	86,013	92,734	100,000
085	72,250	72,339	72,941	74,495	77,292	81,432	86,816	93,151	100,000
086	73,960	74,043	74,608	76,067	78,691	82,577	87,628	93,573	100,000
087	75,690	75,768	76,295	77,657	80,107	83,734	88,450	94,000	100,000
088	77,440	77,512	78,002	79,265	81,539	84,905	89,282	94,432	100,000
089	79,210	79,277	79,728	80,892	82,988	86,089	90,123	94,869	100,000
090	81,000	81,061	81,473	82,537	84,452	87,287	90,973	95,311	100,000
091	82,810	82,865	83,238	84,201	85,933	88,498	91,833	95,758	100,000
092	84,640	84,689	85,022	85,883	87,431	89,723	92,702	96,209	100,000
093	86,490	86,533	86,826	87,583	88,945	90,960	93,581	96,666	100,000
094	88,360	88,397	88,650	89,302	90,475	92,212	94,470	97,127	100,000
095	90,250	90,281	90,493	91,039	92,022	93,476	95,368	97,594	100,000
096	92,160	92,185	92,355	92,794	93,585	94,754	96,275	98,065	100,000
097	94,090	94,109	94,237	94,568	95,164	96,046	97,192	98,541	100,000
098	96,040	96,053	96,139	96,360	96,760	97,350	98,119	99,023	100,000
099	98,010	98,016	98,060	98,171	98,372	98,668	99,055	99,509	100,000
100	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo	Estado 3: Necesita Reparos Simples
Estado 1,5: Entre Nuevo y Conservación Normal	Estado 3,5: Entre Necesita Reparos Simples e Importantes
Estado 2: Conservación Normal	Estado 4: Necesita Reparos Importantes
Estado 2,5: Entre Normal y Necesita Reparos Simples	Estado 4,5: Entre Reparos Importantes y Obsoletos
	Estado 5: Obsoletos

$X = 0,75$

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
001	0,215	0,535	2,700	8,288	18,346	33,234	52,592	75,373	100,000
002	0,543	0,861	3,019	8,589	18,614	33,453	52,748	75,454	100,000
003	0,932	0,932	3,399	8,947	18,933	33,714	52,933	75,550	100,000
004	1,368	1,368	3,824	9,347	19,289	34,005	53,140	75,658	100,000
005	1,842	1,842	4,286	9,783	19,677	34,322	53,365	75,775	100,000
006	2,349	2,349	4,780	10,249	20,092	34,662	53,606	75,900	100,000
007	2,885	2,885	5,303	10,742	20,531	35,020	53,861	76,032	100,000
008	3,447	3,447	5,851	11,258	20,991	35,396	54,128	76,171	100,000
009	4,033	4,033	6,423	11,797	21,470	35,789	54,406	76,315	100,000
010	4,642	4,642	7,016	12,356	21,968	36,196	54,695	76,466	100,000
011	5,271	5,271	7,629	12,934	22,483	36,617	54,994	76,621	100,000
012	5,919	5,919	8,262	13,530	23,013	37,050	55,302	76,781	100,000
013	6,586	6,586	8,912	14,143	23,559	37,496	55,619	76,945	100,000
014	7,269	7,269	9,578	14,771	24,119	37,954	55,944	77,114	100,000
015	7,970	7,970	10,261	15,415	24,692	38,423	56,277	77,287	100,000
016	8,686	8,686	10,960	16,073	25,278	38,902	56,617	77,464	100,000
017	9,417	9,417	11,673	16,746	25,876	39,391	56,964	77,644	100,000
018	10,163	10,163	12,400	17,431	26,487	39,890	57,319	77,828	100,000
019	10,923	10,923	13,141	18,129	27,108	40,399	57,679	78,016	100,000
020	11,696	11,696	13,895	18,840	27,741	40,916	58,047	78,207	100,000
021	12,482	12,482	14,661	19,562	28,384	41,442	58,420	78,401	100,000
022	13,281	13,281	15,440	20,297	29,038	41,976	58,800	78,598	100,000
023	14,092	14,092	16,231	21,042	29,701	42,519	59,185	78,798	100,000
024	14,915	14,915	17,033	21,798	30,375	43,069	59,576	79,001	100,000
025	15,749	15,749	17,847	22,565	31,057	43,628	59,972	79,207	100,000
026	16,595	16,595	18,671	23,342	31,749	44,193	60,374	79,416	100,000
027	17,451	17,451	19,506	24,129	32,450	44,766	60,781	79,627	100,000
028	18,318	18,318	20,352	24,926	33,160	45,347	61,193	79,841	100,000
029	19,195	19,195	21,207	25,732	33,878	45,934	61,610	80,057	100,000
030	20,083	20,083	22,073	26,548	34,604	46,528	62,031	80,276	100,000
031	20,980	20,980	22,948	27,373	35,338	47,128	62,458	80,498	100,000
032	21,888	21,888	23,833	28,207	36,081	47,735	62,889	80,722	100,000
033	22,804	22,804	24,727	29,050	36,831	48,348	63,324	80,948	100,000
034	23,730	23,730	25,630	29,901	37,589	48,968	63,764	81,177	100,000
035	24,666	24,666	26,541	30,760	38,354	49,594	64,209	81,407	100,000
036	25,610	25,610	27,462	31,628	39,126	50,225	64,657	81,640	100,000
037	26,563	26,563	28,391	32,504	39,906	50,863	65,110	81,876	100,000
038	27,524	27,524	29,329	33,387	40,693	51,506	65,567	82,113	100,000
039	28,494	28,494	30,274	34,279	41,487	52,155	66,027	82,352	100,000
040	29,472	29,472	31,228	35,178	42,287	52,810	66,492	82,594	100,000
041	30,459	30,459	32,190	36,085	43,094	53,470	66,961	82,837	100,000
042	31,453	31,453	33,160	36,999	43,908	54,135	67,433	83,083	100,000
043	32,456	32,456	34,138	37,920	44,729	54,806	67,910	83,330	100,000
044	33,466	33,466	35,123	38,849	45,555	55,482	68,390	83,579	100,000
045	34,484	34,484	36,115	39,784	46,388	56,163	68,873	83,831	100,000
046	35,509	35,509	37,115	40,727	47,227	56,849	69,361	84,084	100,000
047	36,542	36,542	38,123	41,676	48,073	57,541	69,851	84,339	100,000
048	37,583	37,583	39,137	42,632	48,924	58,237	70,346	84,595	100,000
049	38,630	38,630	40,158	43,595	49,781	58,938	70,843	84,854	100,000
050	39,685	39,685	41,187	44,565	50,644	59,643	71,344	85,114	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo

Estado 1,5: Entre Nuevo y Conservación Normal

Estado 2: Conservación Normal

Estado 2,5: Entre Normal y Necesita Reparos Simples

Estado 3: Necesita Reparos Simples

Estado 3,5: Entre Necesita Reparos Simples e Importantes

Estado 4: Necesita Reparos Importantes

Estado 4,5: Entre Reparos Importantes y Obsoletos

Estado 5: Obsoletos

X = 0,75

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
051	40,747	40,747	42,222	45,540	51,513	60,354	71,849	85,376	100,000
052	41,816	41,816	43,264	46,523	52,388	61,069	72,357	85,640	100,000
053	42,891	42,891	44,313	47,511	53,268	61,788	72,868	85,906	100,000
054	43,974	43,974	45,369	48,506	54,154	62,513	73,382	86,173	100,000
055	45,063	45,063	46,431	49,507	55,045	63,241	73,899	86,441	100,000
056	46,158	46,158	47,499	50,514	55,941	63,975	74,420	86,712	100,000
057	47,261	47,261	48,574	51,527	56,843	64,712	74,944	86,984	100,000
058	48,369	48,369	49,655	52,546	57,751	65,454	75,470	87,258	100,000
059	49,458	49,485	50,742	53,571	58,663	66,200	76,000	87,533	100,000
060	50,606	50,606	51,836	54,602	59,581	66,950	76,533	87,810	100,000
061	51,734	51,734	52,935	55,638	60,504	67,705	77,069	88,088	100,000
062	52,868	52,868	54,041	56,681	61,431	68,464	77,607	88,368	100,000
063	54,007	54,007	55,153	57,728	62,364	69,226	78,149	88,649	100,000
064	55,154	55,154	56,270	58,782	63,302	69,993	78,693	88,932	100,000
065	56,306	56,306	57,394	59,840	64,245	70,764	79,241	89,216	100,000
066	57,463	57,463	58,523	60,905	65,192	71,539	79,791	89,502	100,000
067	58,627	58,627	59,657	61,974	66,145	72,318	80,344	89,789	100,000
068	59,797	59,797	60,798	63,049	67,102	73,100	80,899	90,078	100,000
069	60,972	60,972	61,944	64,130	68,064	73,887	81,458	90,368	100,000
070	62,153	62,153	63,096	65,215	69,030	74,677	82,019	90,659	100,000
071	63,340	63,340	64,253	66,306	70,001	75,471	82,583	90,952	100,000
072	64,532	64,532	65,415	67,402	70,977	76,269	83,149	91,247	100,000
073	65,730	65,730	66,583	68,502	71,957	77,070	83,718	91,542	100,000
074	66,933	66,933	67,757	69,608	72,942	77,875	84,290	91,839	100,000
075	68,142	68,142	68,935	70,719	73,931	78,684	84,864	92,137	100,000
076	69,356	69,356	70,119	71,835	74,924	79,496	85,441	92,437	100,000
077	70,576	70,576	71,308	72,956	75,922	80,312	86,020	92,738	100,000
078	71,800	71,800	72,502	74,082	76,924	81,132	86,602	93,040	100,000
079	73,030	73,030	73,702	75,212	77,931	81,955	87,187	93,344	100,000
080	74,265	74,265	74,906	76,347	78,941	82,781	87,774	93,649	100,000
081	75,506	75,506	76,116	77,487	79,956	83,611	88,363	93,955	100,000
082	76,751	76,751	77,330	78,632	80,976	84,444	88,954	94,262	100,000
083	78,002	78,002	78,549	79,781	81,999	85,281	89,549	94,571	100,000
084	79,257	79,257	79,774	80,935	83,026	86,121	90,145	94,881	100,000
085	80,518	80,518	81,003	82,094	84,058	86,964	90,744	95,192	100,000
086	81,783	81,783	82,237	83,257	85,093	87,811	91,345	95,504	100,000
087	83,054	83,054	83,476	84,425	86,133	88,661	91,949	95,818	100,000
088	84,329	84,329	84,719	85,597	87,176	89,515	92,555	96,132	100,000
089	85,609	85,609	85,967	86,773	88,224	90,371	93,163	96,448	100,000
090	86,894	86,894	87,220	87,954	89,275	91,231	93,773	96,765	100,000
091	88,184	88,184	88,478	89,140	90,331	92,094	94,386	97,084	100,000
092	89,478	89,478	89,740	90,329	91,390	92,960	95,001	97,403	100,000
093	90,777	90,777	91,007	91,523	92,453	93,829	95,618	97,724	100,000
094	92,081	92,081	92,278	92,722	93,520	94,701	96,238	98,046	100,000
095	93,390	93,390	93,554	93,924	94,591	95,577	96,859	98,369	100,000
096	94,703	94,703	94,834	95,131	95,665	96,455	97,483	98,693	100,000
097	96,020	96,020	96,119	96,342	96,743	97,337	98,109	99,018	100,000
098	97,342	97,342	97,408	97,557	97,825	98,222	98,737	99,344	100,000
099	98,669	98,669	98,702	98,777	98,911	99,109	99,368	99,671	100,000
100	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo	Estado 3: Necesita Reparos Simples
Estado 1,5: Entre Nuevo y Conservación Normal	Estado 3,5: Entre Necesita Reparos Simples e Importantes
Estado 2: Conservación Normal	Estado 4: Necesita Reparos Importantes
Estado 2,5: Entre Normal y Necesita Reparos Simples	Estado 4,5: Entre Reparos Importantes y Obsoletos
	Estado 5: Obsoletos

X = 1,00

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
001	1,000	1,317	3,465	9,009	18,988	33,759	52,965	75,567	100,000
002	2,000	2,314	4,440	9,928	19,807	34,428	53,440	75,814	100,000
003	3,000	3,310	5,415	10,847	20,625	35,097	53,915	76,060	100,000
004	4,000	4,307	6,390	11,766	21,443	35,766	54,390	76,307	100,000
005	5,000	5,304	7,366	12,686	22,262	36,436	54,866	76,554	100,000
006	6,000	6,301	8,341	13,605	23,080	37,105	55,341	76,801	100,000
007	7,000	7,298	9,316	14,524	23,898	37,774	55,816	77,048	100,000
008	8,000	8,294	10,291	15,443	24,716	38,443	56,291	77,294	100,000
009	9,000	9,291	11,266	16,362	25,535	39,112	56,766	77,541	100,000
010	10,000	10,288	12,241	17,281	26,353	39,781	57,241	77,788	100,000
011	11,000	11,285	13,216	18,200	27,171	40,450	57,716	78,035	100,000
012	12,000	12,282	14,191	19,119	27,990	41,119	58,191	78,282	100,000
013	13,000	13,278	15,166	20,038	28,808	41,788	58,666	78,528	100,000
014	14,000	14,275	16,141	20,957	29,626	42,457	59,141	78,775	100,000
015	15,000	15,272	17,117	21,877	30,445	43,127	59,617	79,022	100,000
016	16,000	16,269	18,092	22,796	31,263	43,796	60,092	79,269	100,000
017	17,000	17,266	19,067	23,715	32,081	44,465	60,567	79,516	100,000
018	18,000	18,262	20,042	24,634	32,899	45,134	61,042	79,762	100,000
019	19,000	19,259	21,017	25,553	33,718	45,803	61,517	80,009	100,000
020	20,000	20,256	21,992	26,472	34,536	46,472	61,992	80,256	100,000
021	21,000	21,253	22,967	27,391	35,354	47,141	62,467	80,503	100,000
022	22,000	22,250	23,942	28,310	36,173	47,810	62,942	80,750	100,000
023	23,000	23,246	24,917	29,229	36,991	48,479	63,417	80,996	100,000
024	24,000	24,243	25,892	30,148	37,809	49,148	63,892	81,243	100,000
025	25,000	25,240	26,868	31,068	38,628	49,818	64,368	81,490	100,000
026	26,000	26,237	27,843	31,987	39,446	50,487	64,843	81,737	100,000
027	27,000	27,234	28,818	32,906	40,264	51,156	65,318	81,984	100,000
028	28,000	28,230	29,793	33,825	41,082	51,825	65,793	82,230	100,000
029	29,000	29,227	30,768	34,744	41,901	52,494	66,268	82,477	100,000
030	30,000	30,224	31,743	35,663	42,719	53,163	66,743	82,724	100,000
031	31,000	31,221	32,718	36,582	43,537	53,832	67,218	82,971	100,000
032	32,000	32,218	33,693	37,501	44,356	54,501	67,693	83,218	100,000
033	33,000	33,214	34,668	38,420	45,174	55,170	68,168	83,464	100,000
034	34,000	34,211	35,643	39,339	45,992	55,839	68,643	83,711	100,000
035	35,000	35,208	36,619	40,259	46,811	56,509	69,119	83,958	100,000
036	36,000	36,205	37,594	41,178	47,629	57,178	69,594	84,205	100,000
037	37,000	37,202	38,569	42,097	48,447	57,847	70,069	84,452	100,000
038	38,000	38,198	39,544	43,016	49,265	58,516	70,544	84,698	100,000
039	39,000	39,195	40,519	43,935	50,084	59,185	71,019	84,945	100,000
040	40,000	40,192	41,494	44,854	50,902	59,854	71,494	85,192	100,000
041	41,000	41,189	42,469	45,773	51,720	60,523	71,969	85,439	100,000
042	42,000	42,186	43,444	46,692	52,539	61,192	72,444	85,686	100,000
043	43,000	43,182	44,419	47,611	53,357	61,861	72,919	85,932	100,000
044	44,000	44,179	45,394	48,530	54,175	62,530	73,394	86,179	100,000
045	45,000	45,176	46,370	49,450	54,994	63,200	73,870	86,426	100,000
046	46,000	46,173	47,345	50,369	55,812	63,869	74,345	86,673	100,000
047	47,000	47,170	48,320	51,288	56,630	64,538	74,820	86,920	100,000
048	48,000	48,166	49,295	52,207	57,448	65,207	75,295	87,166	100,000
049	49,000	49,163	50,270	53,126	58,267	65,876	75,770	87,413	100,000
050	50,000	50,160	51,245	54,045	59,085	66,545	76,245	87,660	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo	Estado 3: Necesita Reparos Simples
Estado 1,5: Entre Nuevo y Conservación Normal	Estado 3,5: Entre Necesita Reparos Simples e Importantes
Estado 2: Conservación Normal	Estado 4: Necesita Reparos Importantes
Estado 2,5: Entre Normal y Necesita Reparos Simples	Estado 4,5: Entre Reparos Importantes y Obsoletos
	Estado 5: Obsoletos

X = 1,00

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
051	51,000	51,157	52,220	54,964	59,903	67,214	76,720	87,907	100,000
052	52,000	52,154	53,195	55,883	60,722	67,883	77,195	88,154	100,000
053	53,000	53,150	54,170	56,802	61,540	68,552	77,670	88,400	100,000
054	54,000	54,147	55,145	57,721	62,358	69,221	78,145	88,647	100,000
055	55,000	55,144	56,121	58,641	63,177	69,891	78,621	88,894	100,000
056	56,000	56,141	57,096	59,560	63,995	70,560	79,096	89,141	100,000
057	57,000	57,138	58,071	60,479	64,813	71,229	79,571	89,388	100,000
058	58,000	58,134	59,046	61,398	65,631	71,898	80,046	89,634	100,000
059	59,000	59,131	60,021	62,317	66,450	72,567	80,521	89,881	100,000
060	60,000	60,128	60,996	63,236	67,268	73,236	80,996	90,128	100,000
061	61,000	61,125	61,971	64,155	68,086	73,905	81,471	90,375	100,000
062	62,000	62,122	62,946	65,074	68,905	74,574	81,946	90,622	100,000
063	63,000	63,118	63,921	65,993	69,723	75,243	82,421	90,868	100,000
064	64,000	64,115	64,896	66,912	70,541	75,912	82,896	91,115	100,000
065	65,000	65,112	65,872	67,832	71,360	76,582	83,372	91,362	100,000
066	66,000	66,109	66,847	68,751	72,178	77,251	83,847	91,609	100,000
067	67,000	67,106	67,822	69,670	72,996	77,920	84,322	91,856	100,000
068	68,000	68,102	68,797	70,589	73,814	78,589	84,797	92,102	100,000
069	69,000	69,099	69,772	71,508	74,633	79,258	85,272	92,349	100,000
070	70,000	70,096	70,747	72,427	75,451	79,927	85,747	92,596	100,000
071	71,000	71,093	71,722	73,346	76,269	80,596	86,222	92,843	100,000
072	72,000	72,090	72,697	74,265	77,088	81,265	86,697	93,090	100,000
073	73,000	73,086	73,672	75,184	77,906	81,934	87,172	93,336	100,000
074	74,000	74,083	74,647	76,103	78,724	82,603	87,647	93,583	100,000
075	75,000	75,080	75,623	77,023	79,543	83,273	88,123	93,830	100,000
076	76,000	76,077	76,598	77,942	80,361	83,942	88,598	94,077	100,000
077	77,000	77,074	77,573	78,861	81,179	84,611	89,073	94,324	100,000
078	78,000	78,070	78,548	79,780	81,997	85,280	89,548	94,570	100,000
079	79,000	79,067	79,523	80,699	82,816	85,949	90,023	94,817	100,000
080	80,000	80,064	80,498	81,618	83,634	86,618	90,498	95,064	100,000
081	81,000	81,061	81,473	82,537	84,452	87,287	90,973	95,311	100,000
082	82,000	82,058	82,448	83,456	85,271	87,956	91,448	95,558	100,000
083	83,000	83,054	83,423	84,375	86,089	88,625	91,923	95,804	100,000
084	84,000	84,051	84,398	85,294	86,907	89,294	92,398	96,051	100,000
085	85,000	85,048	85,374	86,214	87,726	89,964	92,874	96,298	100,000
086	86,000	86,045	86,349	87,133	88,544	90,633	93,349	96,545	100,000
087	87,000	87,042	87,324	88,052	89,362	91,302	93,824	96,792	100,000
088	88,000	88,038	88,299	88,971	90,180	91,971	94,299	97,038	100,000
089	89,000	89,035	89,274	89,890	90,999	92,640	94,774	97,285	100,000
090	90,000	90,032	90,249	90,809	91,817	93,309	95,249	97,532	100,000
091	91,000	91,029	91,224	91,728	92,635	93,978	95,724	97,779	100,000
092	92,000	92,026	92,199	92,647	93,454	94,647	96,199	98,026	100,000
093	93,000	93,022	93,174	93,566	94,272	95,316	96,674	98,272	100,000
094	94,000	94,019	94,149	94,485	95,090	95,985	97,149	98,519	100,000
095	95,000	95,016	95,125	95,405	95,909	96,655	97,625	98,766	100,000
096	96,000	96,013	96,100	96,324	96,727	97,324	98,100	99,013	100,000
097	97,000	97,010	97,075	97,243	97,545	97,993	98,575	99,260	100,000
098	98,000	98,006	98,050	98,162	98,363	98,662	99,050	99,506	100,000
099	99,000	99,003	99,025	99,081	99,182	99,331	99,525	99,753	100,000
100	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo

Estado 1,5: Entre Nuevo y Conservación Normal

Estado 2: Conservación Normal

Estado 2,5: Entre Normal y Necesita Reparos Simples

Estado 3: Necesita Reparos Simples

Estado 3,5: Entre Necesita Reparos Simples e Importantes

Estado 4: Necesita Reparos Importantes

Estado 4,5: Entre Reparos Importantes y Obsoletos

Estado 5: Obsoletos

$X = 1,25$

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
001	2,512	2,824	4,939	10,399	20,225	34,771	53,683	75,940	100,000
002	4,373	4,679	6,755	12,110	21,749	36,016	54,568	76,399	100,000
003	6,049	6,350	8,389	13,650	23,120	37,138	55,364	76,813	100,000
004	7,615	7,910	9,915	15,089	24,401	38,185	56,108	77,199	100,000
005	9,103	9,394	11,366	16,456	25,619	39,181	56,815	77,567	100,000
006	10,532	10,819	12,760	17,770	26,789	40,137	57,494	77,919	100,000
007	11,915	12,196	14,108	19,041	27,920	41,062	58,151	78,261	100,000
008	13,258	13,535	15,418	20,275	29,019	41,961	58,789	78,592	100,000
009	14,568	14,841	16,695	21,479	30,091	42,837	59,411	78,915	100,000
010	15,849	16,118	17,944	22,657	31,139	43,695	60,020	79,232	100,000
011	17,105	17,370	19,169	23,811	32,167	44,535	60,616	79,541	100,000
012	18,338	18,599	20,371	24,944	33,176	45,360	61,202	79,846	100,000
013	19,550	19,808	21,554	26,059	34,168	46,171	61,778	80,145	100,000
014	20,744	20,998	22,718	27,156	35,145	46,970	62,346	80,440	100,000
015	21,922	22,171	23,866	28,238	36,108	47,758	62,905	80,730	100,000
016	23,083	23,329	24,998	29,306	37,059	48,535	63,457	81,017	100,000
017	24,230	24,473	26,117	30,360	37,998	49,303	64,002	81,300	100,000
018	25,364	25,603	27,222	31,402	38,925	50,061	64,540	81,580	100,000
019	26,485	26,720	28,316	32,433	39,843	50,811	65,073	81,857	100,000
020	27,595	27,826	29,397	33,452	40,751	51,554	65,600	82,130	100,000
021	28,693	28,921	30,469	34,462	41,649	52,288	66,122	82,401	100,000
022	29,781	30,006	31,529	35,462	42,540	53,016	66,639	82,670	100,000
023	30,859	31,080	32,581	36,453	43,422	53,738	67,151	82,936	100,000
024	31,928	32,146	33,623	37,435	44,297	54,453	67,659	83,200	100,000
025	32,988	33,202	34,656	38,409	45,164	55,162	68,162	83,461	100,000
026	34,039	34,250	35,682	39,375	46,024	55,866	68,662	83,721	100,000
027	35,083	35,290	36,699	40,334	46,878	56,564	69,158	83,978	100,000
028	36,118	36,323	37,709	41,286	47,726	57,257	69,650	84,234	100,000
029	37,147	37,348	38,712	42,231	48,567	57,945	70,138	84,488	100,000
030	38,168	38,366	39,707	43,170	49,403	58,628	70,624	84,740	100,000
031	39,182	39,377	40,697	44,102	50,233	59,307	71,105	84,990	100,000
032	40,190	40,382	41,679	45,029	51,058	59,981	71,584	85,239	100,000
033	41,192	41,380	42,656	45,949	51,877	60,651	72,060	85,486	100,000
034	42,187	42,372	43,627	46,864	52,692	61,318	72,533	85,732	100,000
035	43,177	43,359	44,592	47,774	53,502	61,980	73,003	85,976	100,000
036	44,161	44,340	45,552	48,679	54,307	62,638	73,471	86,219	100,000
037	45,140	45,316	46,506	49,578	55,108	63,293	73,936	86,461	100,000
038	46,113	46,286	47,455	50,473	55,905	63,944	74,398	86,701	100,000
039	47,082	47,251	48,399	51,363	56,697	64,592	74,858	86,940	100,000
040	48,045	48,211	49,339	52,248	57,485	65,237	75,316	87,178	100,000
041	49,003	49,167	50,273	53,129	58,270	65,878	75,772	87,414	100,000
042	49,957	50,117	51,203	54,006	59,050	66,516	76,225	87,649	100,000
043	50,907	51,064	52,129	54,878	59,827	67,152	76,676	87,884	100,000
044	51,852	52,006	53,050	55,747	60,600	67,784	77,125	88,117	100,000
045	52,792	52,943	53,968	56,611	61,370	68,413	77,572	88,349	100,000
046	53,729	53,877	54,881	57,472	62,136	69,040	78,017	88,580	100,000
047	54,661	54,806	55,790	58,329	62,899	69,664	78,459	88,810	100,000
048	55,590	55,732	56,695	59,182	63,659	70,285	78,901	89,039	100,000
049	56,514	56,653	57,597	60,032	64,415	70,904	79,340	89,268	100,000
050	57,435	57,571	58,495	60,878	65,169	71,520	79,777	89,495	100,000

TABLA: JANS-HEIDECHE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

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|---|--|
| Estado 1: Nuevo | Estado 3: Necesita Reparos Simples |
| Estado 1,5: Entre Nuevo y Conservación Normal | Estado 3,5: Entre Necesita Reparos Simples e Importantes |
| Estado 2: Conservación Normal | Estado 4: Necesita Reparos Importantes |
| Estado 2,5: Entre Normal y Necesita Reparos Simples | Estado 4,5: Entre Reparos Importantes y Obsoletos |
| | Estado 5: Obsoletos |

$X = 1,25$

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
051	58,352	58,485	59,389	61,721	65,919	72,133	80,213	89,721	100,000
052	59,266	59,396	60,280	62,561	66,667	72,745	80,647	89,947	100,000
053	60,176	60,303	61,167	63,397	67,412	73,354	81,079	90,171	100,000
054	61,082	61,207	62,051	64,231	68,154	73,960	81,510	90,395	100,000
055	61,986	62,107	62,932	65,061	68,893	74,565	81,939	90,618	100,000
056	62,885	63,004	63,810	65,888	69,629	75,167	82,367	90,840	100,000
057	63,782	63,898	64,684	66,712	70,363	75,767	82,793	91,061	100,000
058	64,676	64,789	65,555	67,534	71,094	76,365	83,218	91,282	100,000
059	65,566	65,677	66,424	68,352	71,823	76,961	83,641	91,502	100,000
060	66,454	66,561	67,289	69,168	72,549	77,554	84,062	91,721	100,000
061	67,339	67,443	68,152	69,981	73,273	78,146	84,483	91,939	100,000
062	68,220	68,322	69,012	70,791	73,995	78,736	84,901	92,157	100,000
063	69,099	69,198	69,869	71,599	74,714	79,324	85,319	92,374	100,000
064	69,975	70,071	70,723	72,404	75,431	79,910	85,735	92,590	100,000
065	70,849	70,942	71,574	73,207	76,145	80,495	86,150	92,805	100,000
066	71,719	71,810	72,423	74,007	76,858	81,077	86,564	93,020	100,000
067	72,587	72,675	73,270	74,805	77,568	81,658	86,976	93,235	100,000
068	73,453	73,538	74,114	75,600	78,276	82,237	87,387	93,448	100,000
069	74,315	74,398	74,955	76,393	78,982	82,814	87,797	93,661	100,000
070	75,176	75,255	75,794	77,184	79,686	83,390	88,206	93,873	100,000
071	76,034	76,110	76,631	77,973	80,388	83,964	88,614	94,085	100,000
072	76,889	76,963	77,465	78,759	81,089	84,537	89,020	94,296	100,000
073	77,742	77,814	78,297	79,543	81,787	85,107	89,425	94,507	100,000
074	78,593	78,662	79,126	80,325	82,483	85,677	89,830	94,717	100,000
075	79,442	79,508	79,954	81,105	83,177	86,245	90,233	94,926	100,000
076	80,288	80,351	80,779	81,883	83,870	86,811	90,635	95,135	100,000
077	81,132	81,192	81,602	82,658	84,560	87,375	91,036	95,343	100,000
078	81,974	82,032	82,423	83,432	85,249	87,939	91,436	95,551	100,000
079	82,814	82,869	83,242	84,204	85,936	88,501	91,835	95,758	100,000
080	83,651	83,703	84,058	84,974	86,622	89,061	92,233	95,965	100,000
081	84,487	84,536	84,873	85,742	87,305	89,620	92,630	96,171	100,000
082	85,320	85,367	85,686	86,508	87,987	90,178	93,026	96,377	100,000
083	86,151	86,196	86,496	87,272	88,668	90,734	93,421	96,582	100,000
084	86,981	87,022	87,305	88,034	89,346	91,289	93,815	96,787	100,000
085	87,808	87,847	88,112	88,795	90,023	91,842	94,208	96,991	100,000
086	88,634	88,670	88,917	89,553	90,699	92,395	94,600	97,195	100,000
087	89,457	89,491	89,720	90,310	91,373	92,946	94,991	97,398	100,000
088	90,279	90,310	90,521	91,065	92,045	93,496	95,381	97,601	100,000
089	91,099	91,127	91,320	91,819	92,716	94,044	95,771	97,803	100,000
090	91,917	91,942	92,118	92,571	93,385	94,591	96,160	98,005	100,000
091	92,733	92,756	92,914	93,321	94,053	95,137	96,547	98,206	100,000
092	93,547	93,568	93,708	94,069	94,720	95,682	96,934	98,407	100,000
093	94,360	94,378	94,500	94,816	95,385	96,226	97,320	98,608	100,000
094	95,170	95,186	95,291	95,561	96,048	96,769	97,705	98,808	100,000
095	95,980	95,992	96,080	96,305	96,710	97,310	98,090	99,008	100,000
096	96,787	96,797	96,867	97,047	97,371	97,850	98,473	99,207	100,000
097	97,593	97,600	97,653	97,787	98,030	98,389	98,856	99,406	100,000
098	98,397	98,402	98,437	98,526	98,688	98,927	99,238	99,604	100,000
099	99,199	99,202	99,219	99,264	99,345	99,464	99,620	99,802	100,000
100	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000

TABLA: JANS-HEIDECHE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo

Estado 1,5: Entre Nuevo y Conservación Normal

Estado 2: Conservación Normal

Estado 2,5: Entre Normal y Necesita Reparos Simples

Estado 3: Necesita Reparos Simples

Estado 3,5: Entre Necesita Reparos Simples e Importantes

Estado 4: Necesita Reparos Importantes

Estado 4,5: Entre Reparos Importantes y Obsoletos

Estado 5: Obsoletos

X = 1,50

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
001	4,642	4,947	7,016	12,356	21,968	36,196	54,695	76,466	1,000
002	7,368	7,664	9,675	14,862	24,199	38,020	55,991	77,138	1,000
003	9,655	9,944	11,904	16,964	26,071	39,550	57,077	77,703	1,000
004	11,696	11,979	13,895	18,840	27,741	40,916	58,047	78,207	1,000
005	13,572	13,849	15,724	20,564	29,276	42,171	58,938	78,670	1,000
006	15,326	15,597	17,435	22,176	30,711	43,345	59,771	79,103	1,000
007	16,985	17,251	19,052	23,701	32,069	44,455	60,560	79,512	1,000
008	18,566	18,827	20,594	25,154	33,363	45,513	61,311	79,902	1,000
009	20,083	20,339	22,073	26,548	34,604	46,528	62,031	80,276	1,000
010	21,544	21,795	23,498	27,891	35,800	47,505	62,726	80,637	1,000
011	22,958	23,204	24,876	29,190	36,956	48,451	63,397	80,986	1,000
012	24,329	24,571	26,213	30,451	38,078	49,368	64,049	81,324	1,000
013	25,662	25,900	27,513	31,676	39,169	50,261	64,682	81,653	1,000
014	26,962	27,196	28,781	32,871	40,233	51,130	65,300	81,974	1,000
015	28,231	28,461	30,018	34,037	41,271	51,979	65,903	82,287	1,000
016	29,472	29,698	31,228	35,178	42,287	52,810	66,492	82,594	1,000
017	30,688	30,910	32,414	36,295	43,282	53,623	67,070	82,894	1,000
018	31,880	32,098	33,576	37,391	44,257	54,421	67,636	83,188	1,000
019	33,050	33,264	34,717	38,466	45,215	55,204	68,192	83,477	1,000
020	34,200	34,410	35,838	39,523	46,155	55,973	68,738	83,760	1,000
021	35,330	35,537	36,940	40,562	47,081	56,729	69,275	84,039	1,000
022	36,443	36,646	38,026	41,585	47,991	57,474	69,804	84,314	1,000
023	37,539	37,739	39,094	42,592	48,888	58,207	70,325	84,585	1,000
024	38,620	38,816	40,148	43,585	49,772	58,930	70,838	84,851	1,000
025	39,685	39,878	41,187	44,565	50,644	59,643	71,344	85,114	1,000
026	40,736	40,926	42,212	45,531	51,505	60,347	71,844	85,374	1,000
027	41,774	41,961	43,224	46,485	52,354	61,041	72,337	85,630	1,000
028	42,799	42,983	44,224	47,427	53,193	61,727	72,824	85,883	1,000
029	43,813	43,992	45,212	48,358	54,022	62,405	73,305	86,133	1,000
030	44,814	44,991	46,188	49,279	54,841	63,075	73,781	86,380	1,000
031	45,804	45,978	47,154	50,189	55,652	63,738	74,252	86,625	1,000
032	46,784	46,955	48,109	51,089	56,454	64,393	74,717	86,866	1,000
033	47,754	47,921	49,055	51,981	57,247	65,042	75,178	87,106	1,000
034	48,714	48,878	49,991	52,863	58,033	65,684	75,634	87,343	1,000
035	49,664	49,825	50,918	53,737	58,810	66,320	76,086	87,577	1,000
036	50,606	50,764	51,836	54,602	59,581	66,950	76,533	87,810	1,000
037	51,539	51,694	52,746	55,459	60,344	67,575	76,976	88,040	1,000
038	52,463	52,615	53,647	56,309	61,101	68,193	77,415	88,268	1,000
039	53,380	53,529	54,541	57,151	61,851	68,806	77,851	88,494	1,000
040	54,288	54,435	55,427	57,986	62,594	69,414	78,282	88,718	1,000
041	55,189	55,333	56,305	58,815	63,332	70,017	78,710	88,941	1,000
042	56,083	56,224	57,177	59,636	64,063	70,615	79,135	89,161	1,000
043	56,970	57,108	58,041	60,451	64,788	71,209	79,556	89,380	1,000
044	57,850	57,985	58,899	61,260	65,508	71,797	79,974	89,597	1,000
045	58,723	58,855	59,751	62,062	66,223	72,382	80,389	89,813	1,000
046	59,590	59,719	60,596	62,859	66,932	72,962	80,801	90,027	1,000
047	60,450	60,577	61,435	63,650	67,636	73,537	81,210	90,239	1,000
048	61,305	61,429	62,268	64,435	68,336	74,109	81,616	90,450	1,000
049	62,153	62,274	63,096	65,215	69,030	74,677	82,019	90,659	1,000
050	62,996	63,114	63,917	65,990	69,720	75,241	82,419	90,867	1,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo

Estado 1,5: Entre Nuevo y Conservación Normal

Estado 2: Conservación Normal

Estado 2,5: Entre Normal y Necesita Reparos Simples

Estado 3: Necesita Reparos Simples

Estado 3,5: Entre Necesita Reparos Simples e Importantes

Estado 4: Necesita Reparos Importantes

Estado 4,5: Entre Reparos Importantes y Obsoletos

Estado 5: Obsoletos

$X = 1,50$

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
051	63,833	63,949	64,734	66,759	70,405	75,801	82,817	91,074	1,000
052	64,665	64,778	65,545	67,524	71,085	76,357	83,212	91,279	1,000
053	65,491	65,602	66,351	68,283	71,762	76,910	83,605	91,483	1,000
054	66,313	66,420	67,151	69,038	72,434	77,460	83,995	91,686	1,000
055	67,129	67,234	67,947	69,788	73,101	78,006	84,383	91,887	1,000
056	67,940	68,043	68,738	70,534	73,765	78,549	84,768	92,088	1,000
057	68,746	68,846	69,525	71,275	74,425	79,088	85,151	92,287	1,000
058	69,548	69,646	70,306	72,012	75,081	79,625	85,532	92,484	1,000
059	70,345	70,440	71,084	72,744	75,734	80,158	85,911	92,681	1,000
060	71,138	71,230	71,857	73,473	76,382	80,688	86,288	92,877	1,000
061	71,926	72,016	72,625	74,197	77,027	81,216	86,662	93,071	1,000
062	72,710	72,797	73,390	74,918	77,669	81,740	87,035	93,265	1,000
063	73,490	73,575	74,150	75,634	78,307	82,262	87,405	93,457	1,000
064	74,265	74,348	74,906	76,347	78,941	82,781	87,774	93,649	1,000
065	75,037	75,117	75,659	77,057	79,573	83,297	88,140	93,839	1,000
066	75,805	75,882	76,407	77,762	80,201	83,811	88,505	94,029	1,000
067	76,568	76,643	77,152	78,464	80,826	84,322	88,868	94,217	1,000
068	77,328	77,401	77,893	79,163	81,448	84,830	89,229	94,405	1,000
069	78,085	78,155	78,630	79,858	82,067	85,336	89,588	94,591	1,000
070	78,837	78,905	79,364	80,549	82,683	85,840	89,946	94,777	1,000
071	79,586	79,652	80,095	81,238	83,296	86,341	90,302	94,962	1,000
072	80,332	80,395	80,822	81,923	83,906	86,840	90,656	95,146	1,000
073	81,074	81,135	81,545	82,605	84,513	87,337	91,008	95,329	1,000
074	81,813	81,871	82,266	83,284	85,117	87,831	91,359	95,511	1,000
075	82,548	82,604	82,983	83,960	85,719	88,323	91,709	95,693	1,000
076	83,280	83,334	83,697	84,633	86,318	88,813	92,056	95,874	1,000
077	84,009	84,060	84,407	85,303	86,915	89,301	92,403	96,053	1,000
078	84,735	84,784	85,115	85,970	87,509	89,786	92,748	96,233	1,000
079	85,458	85,504	85,820	86,634	88,100	90,270	93,091	96,411	1,000
080	86,177	86,222	86,522	87,296	88,689	90,751	93,433	96,589	1,000
081	86,894	86,936	87,220	87,954	89,275	91,231	93,773	96,765	1,000
082	87,608	87,647	87,916	88,610	89,859	91,708	94,112	96,942	1,000
083	88,319	88,356	88,609	89,264	90,441	92,184	94,450	97,117	1,000
084	89,027	89,062	89,300	89,914	91,020	92,658	94,787	97,292	1,000
085	89,732	89,765	89,987	90,562	91,597	93,129	95,122	97,466	1,000
086	90,434	90,465	90,672	91,208	92,172	93,599	95,455	97,639	1,000
087	91,134	91,162	91,355	91,851	92,745	94,068	95,788	97,812	1,000
088	91,831	91,857	92,034	92,492	93,315	94,534	96,119	97,984	1,000
089	92,525	92,549	92,711	93,130	93,883	94,999	96,449	98,155	1,000
090	93,217	93,239	93,386	93,766	94,449	95,461	96,777	98,326	1,000
091	93,906	93,926	94,058	94,399	95,013	95,923	97,105	98,496	1,000
092	94,593	94,610	94,728	95,030	95,575	96,382	97,431	98,666	1,000
093	95,277	95,292	95,395	95,659	96,135	96,840	97,756	98,834	1,000
094	95,959	95,972	96,060	96,286	96,693	97,296	98,080	99,003	1,000
095	96,638	96,649	96,722	96,910	97,249	97,751	98,403	99,170	1,000
096	97,315	97,324	97,382	97,532	97,803	98,204	98,724	99,337	1,000
097	97,990	97,996	98,040	98,152	98,355	98,655	99,045	99,504	1,000
098	98,662	98,666	98,695	98,770	98,905	99,105	99,364	99,670	1,000
099	99,332	99,334	99,349	99,386	99,454	99,553	99,683	99,835	1,000
100	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo	Estado 3: Necesita Reparos Simples
Estado 1,5: Entre Nuevo y Conservación Normal	Estado 3,5: Entre Necesita Reparos Simples e Importantes
Estado 2: Conservación Normal	Estado 4: Necesita Reparos Importantes
Estado 2,5: Entre Normal y Necesita Reparos Simples	Estado 4,5: Entre Reparos Importantes y Obsoletos
	Estado 5: Obsoletos

$X = 1,75$

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
001	7,197	7,494	9,508	14,705	24,059	37,905	55,909	77,096	100,000
002	10,694	10,980	12,918	17,919	26,921	40,246	57,571	77,959	100,000
003	13,483	13,760	15,637	20,482	29,203	42,111	58,896	78,648	100,000
004	15,892	16,161	17,986	22,696	31,174	43,723	60,040	79,242	100,000
005	18,053	18,315	20,094	24,683	32,943	45,169	61,067	79,776	100,000
006	20,036	20,291	22,027	26,505	34,565	46,496	62,009	80,265	100,000
007	21,880	22,130	23,826	28,200	36,075	47,730	62,885	80,720	100,000
008	23,615	23,860	25,517	29,795	37,494	48,891	63,710	81,148	100,000
009	25,259	25,499	27,121	31,306	38,840	49,991	64,491	81,554	100,000
010	26,827	27,061	28,649	32,747	40,122	51,040	65,235	81,941	100,000
011	28,329	28,558	30,113	34,127	41,351	52,045	65,949	82,311	100,000
012	29,773	29,997	31,521	35,454	42,533	53,011	66,635	82,668	100,000
013	31,166	31,386	32,880	36,735	43,673	53,943	67,297	83,012	100,000
014	32,514	32,730	34,195	37,974	44,776	54,845	67,937	83,345	100,000
015	33,822	34,033	35,470	39,175	45,846	55,720	68,559	83,667	100,000
016	35,092	35,300	36,708	40,343	46,886	56,570	69,162	83,981	100,000
017	36,329	36,533	37,915	41,480	47,898	57,398	69,750	84,286	100,000
018	37,535	37,735	39,091	42,589	48,885	58,205	70,323	84,584	100,000
019	38,713	38,909	40,239	43,671	49,849	58,993	70,883	84,874	100,000
020	39,865	40,057	41,362	44,730	50,791	59,763	71,430	85,159	100,000
021	40,992	41,181	42,461	45,766	51,714	60,518	71,965	85,437	100,000
022	42,096	42,281	43,538	46,780	52,617	61,256	72,490	85,709	100,000
023	43,179	43,361	44,594	47,776	53,503	61,981	73,004	85,977	100,000
024	44,242	44,420	45,630	48,753	54,373	62,692	73,509	86,239	100,000
025	45,286	45,461	46,649	49,713	55,228	63,391	74,005	86,497	100,000
026	46,313	46,484	47,649	50,656	56,068	64,078	74,493	86,750	100,000
027	47,322	47,491	48,634	51,584	56,894	64,753	74,973	86,999	100,000
028	48,316	48,481	49,603	52,497	57,707	65,418	75,445	87,244	100,000
029	49,295	49,457	50,557	53,397	58,508	66,073	75,910	87,486	100,000
030	50,259	50,418	51,497	54,283	59,297	66,718	76,368	87,724	100,000
031	51,209	51,366	52,424	55,157	60,075	67,354	76,820	87,958	100,000
032	52,147	52,300	53,338	56,018	60,842	67,981	77,265	88,190	100,000
033	53,072	53,222	54,240	56,868	61,599	68,600	77,704	88,418	100,000
034	53,985	54,132	55,131	57,708	62,346	69,211	78,138	88,644	100,000
035	54,887	55,031	56,010	58,536	63,084	69,815	78,567	88,866	100,000
036	55,777	55,919	56,879	59,355	63,813	70,411	78,990	89,086	100,000
037	56,658	56,796	57,737	60,164	64,533	71,000	79,408	89,303	100,000
038	57,528	57,664	58,585	60,964	65,245	71,582	79,821	89,518	100,000
039	58,388	58,521	59,424	61,754	65,949	72,157	80,230	89,730	100,000
040	59,239	59,369	60,254	62,536	66,645	72,727	80,634	89,940	100,000
041	60,081	60,208	61,075	63,310	67,334	73,290	81,034	90,148	100,000
042	60,914	61,039	61,887	64,076	68,016	73,847	81,430	90,353	100,000
043	61,738	61,861	62,691	64,834	68,690	74,399	81,822	90,557	100,000
044	62,555	62,674	63,487	65,584	69,358	74,945	82,210	90,758	100,000
045	63,363	63,480	64,275	66,327	70,020	75,486	82,594	90,958	100,000
046	64,164	64,278	65,056	67,063	70,675	76,022	82,974	91,156	100,000
047	64,957	65,069	65,830	67,792	71,324	76,553	83,351	91,351	100,000
048	65,743	65,853	66,596	68,515	71,968	77,079	83,725	91,545	100,000
049	66,523	66,630	67,356	69,231	72,605	77,600	84,095	91,738	100,000
050	67,295	67,400	68,109	69,941	73,238	78,117	84,462	91,928	100,000

TABLA: JANS-HEIDECHE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

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| Estado 1: Nuevo | Estado 3: Necesita Reparos Simples |
| Estado 1,5: Entre Nuevo y Conservación Normal | Estado 3,5: Entre Necesita Reparos Simples e Importantes |
| Estado 2: Conservación Normal | Estado 4: Necesita Reparos Importantes |
| Estado 2,5: Entre Normal y Necesita Reparos Simples | Estado 4,5: Entre Reparos Importantes y Obsoletos |
| | Estado 5: Obsoletos |

$X = 1,75$

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
051	68,061	68,163	68,856	70,645	73,864	78,630	84,826	92,117	100,000
052	68,820	68,920	69,597	71,343	74,486	79,138	85,186	92,305	100,000
053	69,573	69,671	70,331	72,035	75,102	79,642	85,544	92,491	100,000
054	70,321	70,416	71,060	72,722	75,713	80,141	85,899	92,675	100,000
055	71,062	71,154	71,782	73,403	76,320	80,637	86,251	92,858	100,000
056	71,797	71,887	72,499	74,079	76,922	81,129	86,601	93,040	100,000
057	72,527	72,615	73,211	74,750	77,519	81,618	86,948	93,220	100,000
058	73,251	73,337	73,917	75,415	78,112	82,103	87,292	93,398	100,000
059	73,970	74,054	74,619	76,076	78,700	82,584	87,633	93,576	100,000
060	74,684	74,765	75,315	76,732	79,284	83,061	87,973	93,752	100,000
061	75,393	75,472	76,006	77,384	79,864	83,535	88,309	93,927	100,000
062	76,097	76,173	76,692	78,031	80,440	84,006	88,644	94,101	100,000
063	76,796	76,870	77,374	78,673	81,012	84,474	88,976	94,273	100,000
064	77,490	77,562	78,051	79,311	81,580	84,939	89,306	94,445	100,000
065	78,180	78,249	78,723	79,945	82,144	85,400	89,633	94,615	100,000
066	78,865	78,932	79,391	80,574	82,705	85,858	89,959	94,784	100,000
067	79,545	79,611	80,055	81,200	83,262	86,314	90,282	94,952	100,000
068	80,222	80,285	80,714	81,822	83,815	86,766	90,603	95,119	100,000
069	80,894	80,955	81,369	82,439	84,365	87,216	90,923	95,285	100,000
070	81,561	81,620	82,021	83,053	84,912	87,663	91,240	95,449	100,000
071	82,225	82,282	82,668	83,663	85,455	88,107	91,555	95,613	100,000
072	82,885	82,940	83,311	84,270	85,995	88,548	91,869	95,776	100,000
073	83,541	83,593	83,951	84,872	86,531	88,987	92,180	95,938	100,000
074	84,193	84,243	84,586	85,472	87,065	89,423	92,490	96,099	100,000
075	84,841	84,890	85,219	86,067	87,595	89,857	92,798	96,259	100,000
076	85,486	85,532	85,847	86,660	88,123	90,288	93,104	96,418	100,000
077	86,127	86,171	86,472	87,249	88,647	90,717	93,409	96,576	100,000
078	86,764	86,806	87,094	87,835	89,169	91,144	93,712	96,733	100,000
079	87,398	87,438	87,712	88,417	89,688	91,568	94,013	96,890	100,000
080	88,028	88,067	88,327	88,997	90,204	91,990	94,312	97,045	100,000
081	88,656	88,692	88,938	89,573	90,717	92,409	94,610	97,200	100,000
082	89,279	89,314	89,546	90,147	91,227	92,827	94,907	97,354	100,000
083	89,900	89,932	90,151	90,717	91,735	93,242	95,201	97,507	100,000
084	90,517	90,548	90,753	91,284	92,240	93,655	95,495	97,660	100,000
085	91,131	91,160	91,352	91,849	92,743	94,066	95,787	97,811	100,000
086	91,742	91,769	91,948	92,411	93,243	94,475	96,077	97,962	100,000
087	92,351	92,375	92,541	92,969	93,740	94,882	96,366	98,112	100,000
088	92,956	92,978	93,131	93,526	94,236	95,287	96,653	98,261	100,000
089	93,558	93,578	93,718	94,079	94,728	95,690	96,939	98,410	100,000
090	94,157	94,176	94,303	94,630	95,219	96,090	97,224	98,558	100,000
091	94,753	94,770	94,884	95,178	95,707	96,490	97,507	98,705	100,000
092	95,347	95,362	95,463	95,723	96,193	96,887	97,789	98,852	100,000
093	95,938	95,951	96,039	96,267	96,676	97,282	98,070	98,997	100,000
094	96,526	96,537	96,613	96,807	97,157	97,676	98,350	99,143	100,000
095	97,111	97,121	97,183	97,345	97,636	98,067	98,628	99,287	100,000
096	97,694	97,702	97,752	97,881	98,113	98,457	98,905	99,431	100,000
097	98,275	98,280	98,317	98,414	98,588	98,845	99,180	99,574	100,000
098	98,852	98,856	98,881	98,945	99,061	99,232	99,455	99,717	100,000
099	99,427	99,429	99,442	99,474	99,531	99,617	99,728	99,859	100,000
100	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000

TABLA: JANS-HEIDECHE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo	Estado 3: Necesita Reparos Simples
Estado 1,5: Entre Nuevo y Conservación Normal	Estado 3,5: Entre Necesita Reparos Simples e Importantes
Estado 2: Conservación Normal	Estado 4: Necesita Reparos Importantes
Estado 2,5: Entre Normal y Necesita Reparos Simples	Estado 4,5: Entre Reparos Importantes y Obsoletos
	Estado 5: Obsoletos

X = 2,00

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
001	10,000	10,288	12,241	17,281	26,353	39,781	57,241	77,788	100,000
002	14,142	14,417	16,280	21,088	29,743	42,553	59,209	78,810	100,000
003	17,321	17,585	19,379	24,009	32,343	44,679	60,719	79,595	100,000
004	20,000	20,256	21,992	26,472	34,536	46,472	61,992	80,256	100,000
005	22,361	22,609	24,294	28,642	36,468	48,052	63,114	80,839	100,000
006	24,495	24,737	26,375	30,603	38,214	49,480	64,128	81,365	100,000
007	26,458	26,693	28,289	32,407	39,820	50,793	65,060	81,850	100,000
008	28,284	28,514	30,070	34,086	41,315	52,015	65,928	82,301	100,000
009	30,000	30,224	31,743	35,663	42,719	53,163	66,743	82,724	100,000
010	31,623	31,842	33,325	37,154	44,047	54,249	67,514	83,125	100,000
011	33,166	33,380	34,830	38,573	45,310	55,282	68,247	83,505	100,000
012	34,641	34,850	36,268	39,929	46,517	56,268	68,948	83,869	100,000
013	36,056	36,260	37,648	41,229	47,674	57,215	69,620	84,219	100,000
014	37,417	37,617	38,975	42,480	48,788	58,125	70,267	84,554	100,000
015	38,730	38,926	40,255	43,687	49,863	59,004	70,891	84,879	100,000
016	40,000	40,192	41,494	44,854	50,902	59,854	71,494	85,192	100,000
017	41,231	41,419	42,694	45,985	51,909	60,678	72,079	85,496	100,000
018	42,426	42,611	43,860	47,084	52,888	61,478	72,647	85,791	100,000
019	43,589	43,770	44,994	48,153	53,839	62,255	73,199	86,078	100,000
020	44,721	44,898	46,098	49,193	54,765	63,013	73,737	86,357	100,000
021	45,826	45,999	47,175	50,208	55,669	63,752	74,262	86,630	100,000
022	46,904	47,074	48,226	51,200	56,552	64,474	74,774	86,896	100,000
023	47,958	48,125	49,254	52,168	57,414	65,179	75,275	87,156	100,000
024	48,990	49,153	50,260	53,117	58,258	65,869	75,765	87,411	100,000
025	50,000	50,160	51,245	54,045	59,085	66,545	76,245	87,660	100,000
026	50,990	51,147	52,211	54,955	59,895	67,208	76,715	87,904	100,000
027	51,962	52,115	53,158	55,848	60,690	67,857	77,177	88,144	100,000
028	52,915	53,066	54,087	56,724	61,470	68,495	77,630	88,379	100,000
029	53,852	53,999	55,001	57,585	62,237	69,122	78,075	88,611	100,000
030	54,772	54,917	55,898	58,431	62,990	69,738	78,512	88,838	100,000
031	55,678	55,819	56,781	59,263	63,731	70,344	78,942	89,061	100,000
032	56,569	56,708	57,650	60,082	64,460	70,940	79,366	89,281	100,000
033	57,446	57,582	58,505	60,888	65,178	71,527	79,782	89,498	100,000
034	58,310	58,443	59,348	61,682	65,885	72,105	80,193	89,711	100,000
035	59,161	59,291	60,178	62,465	66,581	72,674	80,597	89,921	100,000
036	60,000	60,128	60,996	63,236	67,268	73,236	80,996	90,128	100,000
037	60,828	60,953	61,803	63,997	67,945	73,790	81,389	90,332	100,000
038	61,644	61,767	62,599	64,747	68,613	74,336	81,777	90,534	100,000
039	62,450	62,570	63,385	65,488	69,273	74,875	82,160	90,733	100,000
040	63,246	63,363	64,161	66,219	69,924	75,408	82,538	90,929	100,000
041	64,031	64,146	64,927	66,941	70,567	75,933	82,911	91,123	100,000
042	64,807	64,920	65,684	67,654	71,202	76,453	83,280	91,314	100,000
043	65,574	65,685	66,432	68,359	71,830	76,966	83,644	91,504	100,000
044	66,332	66,440	67,171	69,056	72,450	77,473	84,005	91,691	100,000
045	67,082	67,187	67,902	69,745	73,063	77,975	84,361	91,876	100,000
046	67,823	67,926	68,624	70,426	73,670	78,471	84,713	92,059	100,000
047	68,557	68,657	69,339	71,100	74,270	78,961	85,061	92,240	100,000
048	69,282	69,380	70,047	71,767	74,863	79,447	85,406	92,419	100,000
049	70,000	70,096	70,747	72,427	75,451	79,927	85,747	92,596	100,000
050	70,711	70,804	71,440	73,080	76,033	80,403	86,085	92,771	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo	Estado 3: Necesita Reparos Simples
Estado 1,5: Entre Nuevo y Conservación Normal	Estado 3,5: Entre Necesita Reparos Simples e Importantes
Estado 2: Conservación Normal	Estado 4: Necesita Reparos Importantes
Estado 2,5: Entre Normal y Necesita Reparos Simples	Estado 4,5: Entre Reparos Importantes y Obsoletos
	Estado 5: Obsoletos

X = 2,00

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
051	71,414	71,506	72,126	73,727	76,608	80,873	86,419	92,945	100,000
052	72,111	72,200	72,805	74,367	77,178	81,339	86,750	93,117	100,000
053	72,801	72,888	73,478	75,001	77,743	81,801	87,078	93,287	100,000
054	73,485	73,570	74,145	75,630	78,303	82,259	87,403	93,456	100,000
055	74,162	74,245	74,805	76,252	78,857	82,712	87,724	93,623	100,000
056	74,833	74,914	75,460	76,869	79,406	83,161	88,043	93,789	100,000
057	75,498	75,577	76,108	77,481	79,950	83,606	88,359	93,953	100,000
058	76,158	76,234	76,751	78,087	80,490	84,047	88,673	94,116	100,000
059	76,811	76,886	77,389	78,687	81,025	84,485	88,983	94,277	100,000
060	77,460	77,532	78,021	79,283	81,555	84,918	89,291	94,437	100,000
061	78,102	78,173	78,648	79,874	82,081	85,348	89,596	94,596	100,000
062	78,740	78,808	79,269	80,460	82,603	85,775	89,899	94,753	100,000
063	79,373	79,439	79,886	81,041	83,121	86,198	90,200	94,909	100,000
064	80,000	80,064	80,498	81,618	83,634	86,618	90,498	95,064	100,000
065	80,623	80,685	81,105	82,190	84,143	87,035	90,794	95,218	100,000
066	81,240	81,300	81,707	82,758	84,649	87,448	91,087	95,370	100,000
067	81,854	81,912	82,305	83,322	85,151	87,858	91,379	95,521	100,000
068	82,462	82,518	82,899	83,881	85,649	88,265	91,668	95,672	100,000
069	83,066	83,120	83,488	84,436	86,143	88,670	91,955	95,821	100,000
070	83,666	83,718	84,073	84,987	86,634	89,071	92,240	95,969	100,000
071	84,261	84,312	84,653	85,535	87,121	89,469	92,523	96,116	100,000
072	84,853	84,901	85,230	86,078	87,605	89,865	92,804	96,262	100,000
073	85,440	85,487	85,803	86,618	88,086	90,258	93,083	96,407	100,000
074	86,023	86,068	86,371	87,154	88,563	90,648	93,360	96,551	100,000
075	86,603	86,645	86,936	87,686	89,037	91,036	93,635	96,694	100,000
076	87,178	87,219	87,497	88,215	89,508	91,421	93,908	96,836	100,000
077	87,750	87,789	88,055	88,741	89,976	91,803	94,180	96,977	100,000
078	88,318	88,355	88,609	89,263	90,440	92,183	94,450	97,117	100,000
079	88,882	88,918	89,159	89,781	90,902	92,561	94,718	97,256	100,000
080	89,443	89,477	89,706	90,297	91,361	92,936	94,984	97,394	100,000
081	90,000	90,032	90,249	90,809	91,817	93,309	95,249	97,532	100,000
082	90,554	90,584	90,789	91,318	92,270	93,680	95,512	97,669	100,000
083	91,104	91,133	91,326	91,824	92,721	94,048	95,774	97,805	100,000
084	91,652	91,678	91,859	92,327	93,168	94,414	96,034	97,940	100,000
085	92,195	92,220	92,390	92,827	93,614	94,778	96,292	98,074	100,000
086	92,736	92,759	92,917	93,324	94,056	95,140	96,549	98,207	100,000
087	93,274	93,295	93,441	93,818	94,496	95,499	96,804	98,340	100,000
088	93,808	93,828	93,962	94,309	94,933	95,857	97,058	98,472	100,000
089	94,340	94,358	94,481	94,798	95,368	96,213	97,311	98,603	100,000
090	94,868	94,885	94,996	95,283	95,801	96,566	97,562	98,734	100,000
091	95,394	95,409	95,509	95,767	96,231	96,918	97,812	98,863	100,000
092	95,917	95,930	96,018	96,247	96,659	97,268	98,060	98,992	100,000
093	96,437	96,448	96,525	96,725	97,084	97,616	98,307	99,121	100,000
094	96,954	96,963	97,029	97,200	97,507	97,962	98,553	99,248	100,000
095	97,468	97,476	97,531	97,673	97,928	98,306	98,797	99,375	100,000
096	97,980	97,986	98,030	98,143	98,347	98,648	99,040	99,501	100,000
097	98,489	98,493	98,526	98,611	98,763	98,989	99,282	99,627	100,000
098	98,995	98,998	99,020	99,076	99,178	99,328	99,523	99,752	100,000
099	99,499	99,500	99,511	99,539	99,590	99,665	99,762	99,876	100,000
100	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo

Estado 1,5: Entre Nuevo y Conservación Normal

Estado 2: Conservación Normal

Estado 2,5: Entre Normal y Necesita Reparos Simples

Estado 3: Necesita Reparos Simples

Estado 3,5: Entre Necesita Reparos Simples e Importantes

Estado 4: Necesita Reparos Importantes

Estado 4,5: Entre Reparos Importantes y Obsoletos

Estado 5: Obsoletos

X = 2,25

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
001	12,915	13,194	15,084	19,961	28,739	41,732	58,626	78,508	100,000
002	17,575	17,839	19,628	24,243	32,552	44,850	60,840	79,658	100,000
003	21,046	21,298	23,012	27,433	35,392	47,172	62,489	80,514	100,000
004	23,916	24,160	25,811	30,071	37,741	49,092	63,853	81,223	100,000
005	26,410	26,645	28,242	32,363	39,781	50,761	65,037	81,838	100,000
006	28,639	28,867	30,416	34,412	41,605	52,252	66,096	82,388	100,000
007	30,670	30,892	32,396	36,279	43,267	53,611	67,061	82,889	100,000
008	32,545	32,761	34,225	38,002	44,802	54,866	67,952	83,352	100,000
009	34,294	34,504	35,930	39,610	46,233	56,036	68,783	83,784	100,000
010	35,938	36,143	37,533	41,121	47,578	57,136	69,564	84,190	100,000
011	37,493	37,693	39,050	42,550	48,851	58,177	70,303	84,573	100,000
012	38,972	39,167	40,491	43,909	50,060	59,166	71,005	84,938	100,000
013	40,383	40,574	41,867	45,206	51,215	60,110	71,676	85,286	100,000
014	41,735	41,922	43,186	46,449	52,322	61,015	72,318	85,620	100,000
015	43,035	43,217	44,453	47,643	53,385	61,884	72,936	85,941	100,000
016	44,287	44,465	45,674	48,794	54,410	62,722	73,531	86,250	100,000
017	45,496	45,671	46,854	49,906	55,400	63,532	74,105	86,549	100,000
018	46,667	46,838	47,995	50,982	56,358	64,315	74,661	86,837	100,000
019	47,802	47,969	49,102	52,025	57,286	65,074	75,201	87,118	100,000
020	48,904	49,068	50,177	53,038	58,188	65,812	75,724	87,390	100,000
021	49,976	50,136	51,222	54,023	59,066	66,529	76,234	87,654	100,000
022	51,020	51,177	52,240	54,983	59,920	67,228	76,730	87,912	100,000
023	52,038	52,192	53,233	55,918	60,753	67,909	77,213	88,163	100,000
024	53,032	53,182	54,202	56,832	61,566	68,574	77,686	88,408	100,000
025	54,003	54,150	55,148	57,724	62,361	69,223	78,147	88,648	100,000
026	54,953	55,097	56,074	58,597	63,138	69,859	78,598	88,882	100,000
027	55,882	56,023	56,981	59,451	63,898	70,481	79,040	89,112	100,000
028	56,793	56,931	57,869	60,288	64,643	71,090	79,472	89,336	100,000
029	57,685	57,821	58,739	61,109	65,374	71,687	79,896	89,557	100,000
030	58,561	58,694	59,593	61,914	66,091	72,273	80,312	89,773	100,000
031	59,421	59,551	60,431	62,704	66,794	72,848	80,721	89,985	100,000
032	60,265	60,392	61,255	63,480	67,485	73,413	81,122	90,193	100,000
033	61,095	61,220	62,064	64,242	68,164	73,969	81,516	90,398	100,000
034	61,911	62,033	62,859	64,992	68,832	74,515	81,904	90,600	100,000
035	62,714	62,833	63,642	65,730	69,489	75,052	82,285	90,798	100,000
036	63,504	63,621	64,413	66,457	70,135	75,581	82,661	90,993	100,000
037	64,282	64,396	65,171	67,172	70,772	76,101	83,030	91,185	100,000
038	65,048	65,160	65,919	67,876	71,399	76,614	83,395	91,374	100,000
039	65,804	65,913	66,655	68,570	72,017	77,119	83,753	91,560	100,000
040	66,548	66,655	67,381	69,255	72,627	77,618	84,107	91,744	100,000
041	67,283	67,387	68,097	69,930	73,228	78,109	84,456	91,925	100,000
042	68,007	68,110	68,804	70,595	73,820	78,594	84,800	92,104	100,000
043	68,722	68,822	69,501	71,253	74,405	79,072	85,140	92,281	100,000
044	69,428	69,526	70,189	71,901	74,983	79,544	85,475	92,455	100,000
045	70,125	70,220	70,869	72,542	75,553	80,011	85,806	92,627	100,000
046	70,813	70,907	71,540	73,174	76,116	80,471	86,133	92,797	100,000
047	71,493	71,585	72,203	73,800	76,673	80,926	86,456	92,965	100,000
048	72,165	72,255	72,859	74,417	77,223	81,376	86,776	93,130	100,000
049	72,830	72,917	73,506	75,028	77,767	81,820	87,091	93,294	100,000
050	73,487	73,572	74,147	75,632	78,304	82,260	87,404	93,457	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo	Estado 3: Necesita Reparos Simples
Estado 1,5: Entre Nuevo y Conservación Normal	Estado 3,5: Entre Necesita Reparos Simples e Importantes
Estado 2: Conservación Normal	Estado 4: Necesita Reparos Importantes
Estado 2,5: Entre Normal y Necesita Reparos Simples	Estado 4,5: Entre Reparos Importantes y Obsoletos
	Estado 5: Obsoletos

X = 2,25

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
051	74,136	74,219	74,780	76,229	78,836	82,695	87,712	93,617	100,000
052	74,779	74,860	75,407	76,819	79,362	83,125	88,017	93,775	100,000
053	75,415	75,493	76,027	77,404	79,882	83,550	88,320	93,932	100,000
054	76,044	76,120	76,640	77,982	80,397	83,971	88,618	94,088	100,000
055	76,667	76,741	77,248	78,554	80,906	84,388	88,914	94,241	100,000
056	77,283	77,356	77,849	79,121	81,411	84,800	89,207	94,393	100,000
057	77,893	77,964	78,444	79,682	81,910	85,208	89,497	94,544	100,000
058	78,498	78,566	79,033	80,237	82,405	85,613	89,784	94,693	100,000
059	79,096	79,163	79,617	80,787	82,895	86,013	90,069	94,841	100,000
060	79,689	79,754	80,195	81,333	83,380	86,410	90,350	94,987	100,000
061	80,277	80,340	80,768	81,873	83,861	86,803	90,630	95,132	100,000
062	80,859	80,920	81,336	82,408	84,337	87,193	90,906	95,276	100,000
063	81,436	81,496	81,899	82,938	84,809	87,579	91,180	95,418	100,000
064	82,008	82,066	82,456	83,464	85,277	87,962	91,452	95,560	100,000
065	82,575	82,631	83,009	83,985	85,741	88,341	91,722	95,700	100,000
066	83,138	83,192	83,557	84,502	86,201	88,717	91,989	95,838	100,000
067	83,695	83,747	84,101	85,014	86,658	89,090	92,254	95,976	100,000
068	84,248	84,298	84,640	85,522	87,110	89,460	92,516	96,112	100,000
069	84,796	84,845	85,175	86,026	87,559	89,827	92,777	96,248	100,000
070	85,340	85,387	85,705	86,526	88,004	90,191	93,035	96,382	100,000
071	85,880	85,925	86,232	87,022	88,446	90,552	93,292	96,515	100,000
072	86,416	86,459	86,754	87,515	88,884	90,911	93,546	96,647	100,000
073	86,947	86,989	87,272	88,003	89,319	91,266	93,799	96,779	100,000
074	87,474	87,514	87,786	88,488	89,750	91,619	94,049	96,909	100,000
075	87,998	88,036	88,297	88,969	90,179	91,969	94,298	97,038	100,000
076	88,517	88,554	88,803	89,446	90,604	92,317	94,545	97,166	100,000
077	89,033	89,068	89,306	89,920	91,026	92,662	94,790	97,293	100,000
078	89,545	89,579	89,805	90,391	91,445	93,005	95,033	97,420	100,000
079	90,054	90,085	90,301	90,858	91,861	93,345	95,274	97,545	100,000
080	90,558	90,589	90,794	91,322	92,274	93,683	95,514	97,670	100,000
081	91,060	91,088	91,282	91,783	92,684	94,018	95,753	97,794	100,000
082	91,558	91,585	91,768	92,241	93,092	94,351	95,989	97,916	100,000
083	92,052	92,078	92,250	92,695	93,496	94,682	96,224	98,039	100,000
084	92,544	92,567	92,729	93,147	93,898	95,011	96,457	98,160	100,000
085	93,032	93,054	93,205	93,595	94,298	95,337	96,689	98,280	100,000
086	93,516	93,537	93,678	94,041	94,695	95,662	96,920	98,400	100,000
087	93,998	94,017	94,148	94,484	95,089	95,984	97,149	98,519	100,000
088	94,477	94,495	94,614	94,924	95,480	96,304	97,376	98,637	100,000
089	94,953	94,969	95,078	95,361	95,870	96,623	97,602	98,754	100,000
090	95,425	95,440	95,539	95,795	96,256	96,939	97,827	98,871	100,000
091	95,895	95,908	95,997	96,227	96,641	97,253	98,050	98,987	100,000
092	96,362	96,374	96,453	96,656	97,023	97,566	98,272	99,102	100,000
093	96,826	96,836	96,905	97,083	97,403	97,876	98,492	99,217	100,000
094	97,287	97,296	97,355	97,507	97,780	98,185	98,711	99,331	100,000
095	97,746	97,753	97,802	97,928	98,156	98,492	98,929	99,444	100,000
096	98,202	98,208	98,247	98,348	98,529	98,797	99,146	99,556	100,000
097	98,655	98,660	98,689	98,764	98,900	99,100	99,361	99,668	100,000
098	99,106	99,109	99,128	99,178	99,269	99,402	99,575	99,779	100,000
099	99,554	99,556	99,565	99,590	99,635	99,702	99,788	99,890	100,000
100	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000

TABLA: JANS-HEIDECHE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo	Estado 3: Necesita Reparos Simples
Estado 1,5: Entre Nuevo y Conservación Normal	Estado 3,5: Entre Necesita Reparos Simples e Importantes
Estado 2: Conservación Normal	Estado 4: Necesita Reparos Importantes
Estado 2,5: Entre Normal y Necesita Reparos Simples	Estado 4,5: Entre Reparos Importantes y Obsoletos
	Estado 5: Obsoletos

X = 2,50

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
001	15,849	16,118	17,944	22,657	31,139	43,695	60,020	79,232	100,000
002	20,913	21,166	22,882	27,311	35,283	47,083	62,426	80,481	100,000
003	24,595	24,836	26,473	30,695	38,296	49,547	64,175	81,390	100,000
004	27,595	27,826	29,397	33,452	40,751	51,554	65,600	82,130	100,000
005	30,171	30,394	31,910	35,820	42,859	53,277	66,824	82,766	100,000
006	32,453	32,670	34,135	37,918	44,727	54,805	67,909	83,330	100,000
007	34,517	34,727	36,148	39,815	46,416	56,186	68,889	83,839	100,000
008	36,411	36,615	37,995	41,556	47,965	57,453	69,789	84,306	100,000
009	38,168	38,366	39,707	43,170	49,403	58,628	70,624	84,740	100,000
010	39,811	40,003	41,309	44,680	50,747	59,727	71,404	85,145	100,000
011	41,358	41,545	42,818	46,102	52,013	60,762	72,139	85,527	100,000
012	42,823	43,006	44,246	47,448	53,212	61,743	72,835	85,889	100,000
013	44,216	44,394	45,605	48,729	54,352	62,675	73,497	86,232	100,000
014	45,546	45,720	46,902	49,951	55,440	63,565	74,129	86,561	100,000
015	46,821	46,991	48,145	51,123	56,483	64,418	74,734	86,875	100,000
016	48,045	48,211	49,339	52,248	57,485	65,237	75,316	87,178	100,000
017	49,224	49,387	50,489	53,332	58,450	66,026	75,876	87,469	100,000
018	50,363	50,522	51,599	54,378	59,382	66,788	76,417	87,750	100,000
019	51,464	51,619	52,672	55,390	60,283	67,524	76,940	88,021	100,000
020	52,531	52,682	53,713	56,371	61,156	68,238	77,447	88,285	100,000
021	53,566	53,714	54,722	57,322	62,003	68,931	77,939	88,540	100,000
022	54,572	54,717	55,703	58,247	62,826	69,604	78,417	88,788	100,000
023	55,551	55,693	56,658	59,147	63,627	70,259	78,882	89,030	100,000
024	56,505	56,644	57,588	60,023	64,408	70,897	79,335	89,265	100,000
025	57,435	57,571	58,495	60,878	65,169	71,520	79,777	89,495	100,000
026	58,343	58,476	59,380	61,713	65,912	72,127	80,209	89,719	100,000
027	59,231	59,361	60,246	62,529	66,638	72,721	80,630	89,938	100,000
028	60,098	60,226	61,092	63,326	67,349	73,302	81,043	90,152	100,000
029	60,948	61,073	61,920	64,107	68,044	73,870	81,446	90,362	100,000
030	61,780	61,902	62,732	64,872	68,725	74,427	81,842	90,567	100,000
031	62,596	62,715	63,527	65,622	69,392	74,973	82,229	90,769	100,000
032	63,396	63,513	64,307	66,357	70,047	75,508	82,609	90,966	100,000
033	64,181	64,295	65,073	67,079	70,689	76,033	82,982	91,160	100,000
034	64,952	65,064	65,825	67,787	71,320	76,549	83,349	91,350	100,000
035	65,709	65,819	66,563	68,483	71,940	77,056	83,709	91,537	100,000
036	66,454	66,561	67,289	69,168	72,549	77,554	84,062	91,721	100,000
037	67,186	67,291	68,003	69,841	73,149	78,044	84,410	91,902	100,000
038	67,907	68,010	68,706	70,503	73,738	78,526	84,753	92,079	100,000
039	68,616	68,716	69,398	71,155	74,319	79,001	85,089	92,254	100,000
040	69,314	69,413	70,079	71,797	74,890	79,468	85,421	92,427	100,000
041	70,002	70,098	70,749	72,429	75,453	79,929	85,748	92,597	100,000
042	70,681	70,774	71,411	73,052	76,008	80,382	86,070	92,764	100,000
043	71,349	71,441	72,062	73,667	76,555	80,830	86,388	92,929	100,000
044	72,008	72,098	72,705	74,273	77,094	81,271	86,701	93,092	100,000
045	72,658	72,746	73,339	74,870	77,626	81,706	87,010	93,252	100,000
046	73,300	73,385	73,965	75,460	78,151	82,135	87,315	93,410	100,000
047	73,933	74,017	74,582	76,042	78,669	82,559	87,616	93,567	100,000
048	74,558	74,640	75,192	76,617	79,181	82,977	87,913	93,721	100,000
049	75,176	75,255	75,794	77,184	79,686	83,390	88,206	93,873	100,000
050	75,786	75,863	76,389	77,745	80,186	83,798	88,496	94,024	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo	Estado 3: Necesita Reparos Simples
Estado 1,5: Entre Nuevo y Conservación Normal	Estado 3,5: Entre Necesita Reparos Simples e Importantes
Estado 2: Conservación Normal	Estado 4: Necesita Reparos Importantes
Estado 2,5: Entre Normal y Necesita Reparos Simples	Estado 4,5: Entre Reparos Importantes y Obsoletos
	Estado 5: Obsoletos

X = 2,50

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
051	76,389	76,464	76,976	78,299	80,679	84,202	88,782	94,173	100,000
052	76,984	77,058	77,557	78,846	81,166	84,600	89,065	94,320	100,000
053	77,573	77,645	78,131	79,387	81,648	84,994	89,345	94,465	100,000
054	78,155	78,225	78,699	79,922	82,124	85,384	89,622	94,609	100,000
055	78,731	78,799	79,260	80,452	82,595	85,769	89,895	94,751	100,000
056	79,300	79,367	79,816	80,975	83,061	86,150	90,166	94,891	100,000
057	79,864	79,928	80,365	81,493	83,523	86,527	90,433	95,030	100,000
058	80,421	80,484	80,909	82,005	83,979	86,900	90,698	95,168	100,000
059	80,973	81,034	81,447	82,512	84,430	87,269	90,960	95,304	100,000
060	81,519	81,578	81,979	83,014	84,877	87,635	91,220	95,439	100,000
061	82,060	82,117	82,507	83,511	85,320	87,996	91,477	95,572	100,000
062	82,596	82,651	83,029	84,004	85,758	88,355	91,731	95,705	100,000
063	83,126	83,180	83,546	84,491	86,192	88,710	91,983	95,835	100,000
064	83,651	83,703	84,058	84,974	86,622	89,061	92,233	95,965	100,000
065	84,172	84,222	84,566	85,452	87,048	89,409	92,480	96,094	100,000
066	84,687	84,736	85,068	85,926	87,470	89,754	92,725	96,221	100,000
067	85,198	85,245	85,567	86,396	87,888	90,096	92,968	96,347	100,000
068	85,704	85,750	86,060	86,861	88,302	90,435	93,208	96,472	100,000
069	86,206	86,251	86,550	87,322	88,713	90,771	93,447	96,596	100,000
070	86,704	86,747	87,035	87,780	89,120	91,104	93,683	96,719	100,000
071	87,197	87,238	87,516	88,233	89,524	91,434	93,917	96,840	100,000
072	87,687	87,726	87,993	88,683	89,924	91,761	94,150	96,961	100,000
073	88,172	88,210	88,466	89,129	90,321	92,086	94,380	97,081	100,000
074	88,653	88,689	88,935	89,571	90,715	92,408	94,609	97,200	100,000
075	89,130	89,165	89,401	90,009	91,105	92,727	94,836	97,317	100,000
076	89,604	89,637	89,862	90,445	91,493	93,044	95,061	97,434	100,000
077	90,073	90,105	90,321	90,876	91,877	93,358	95,284	97,550	100,000
078	90,539	90,570	90,775	91,305	92,258	93,670	95,505	97,665	100,000
079	91,002	91,031	91,226	91,730	92,637	93,979	95,725	97,779	100,000
080	91,461	91,488	91,674	92,152	93,013	94,287	95,943	97,893	100,000
081	91,917	91,942	92,118	92,571	93,385	94,591	96,160	98,005	100,000
082	92,369	92,393	92,559	92,986	93,755	94,894	96,374	98,117	100,000
083	92,818	92,841	92,997	93,399	94,123	95,194	96,588	98,227	100,000
084	93,264	93,285	93,431	93,808	94,488	95,493	96,799	98,337	100,000
085	93,706	93,726	93,863	94,215	94,850	95,789	97,010	98,447	100,000
086	94,145	94,164	94,291	94,619	95,209	96,083	97,219	98,555	100,000
087	94,582	94,599	94,717	95,020	95,566	96,375	97,426	98,663	100,000
088	95,015	95,031	95,139	95,418	95,921	96,665	97,632	98,770	100,000
089	95,446	95,460	95,559	95,814	96,273	96,953	97,836	98,876	100,000
090	95,873	95,886	95,976	96,207	96,623	97,239	98,039	98,981	100,000
091	96,298	96,310	96,390	96,597	96,971	97,523	98,241	99,086	100,000
092	96,720	96,730	96,801	96,985	97,316	97,805	98,442	99,190	100,000
093	97,139	97,148	97,210	97,370	97,659	98,086	98,641	99,294	100,000
094	97,555	97,563	97,616	97,753	98,000	98,364	98,839	99,397	100,000
095	97,969	97,976	98,020	98,133	98,338	98,641	99,035	99,499	100,000
096	98,380	98,386	98,421	98,511	98,675	98,916	99,231	99,600	100,000
097	98,789	98,793	98,819	98,887	99,009	99,190	99,425	99,701	100,000
098	99,195	99,198	99,215	99,260	99,341	99,461	99,618	99,801	100,000
099	99,599	99,600	99,609	99,631	99,672	99,732	99,809	99,901	100,000
100	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo	Estado 3: Necesita Reparos Simples
Estado 1,5: Entre Nuevo y Conservación Normal	Estado 3,5: Entre Necesita Reparos Simples e Importantes
Estado 2: Conservación Normal	Estado 4: Necesita Reparos Importantes
Estado 2,5: Entre Normal y Necesita Reparos Simples	Estado 4,5: Entre Reparos Importantes y Obsoletos
	Estado 5: Obsoletos

$X = 2,75$

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
001	18,738	18,998	20,762	25,312	33,503	45,628	61,393	79,945	100,000
002	24,110	24,353	25,999	30,249	37,899	49,222	63,945	81,270	100,000
003	27,940	28,171	29,734	33,770	41,033	51,785	65,764	82,216	100,000
004	31,021	31,242	32,739	36,602	43,555	53,846	67,228	82,976	100,000
005	33,643	33,856	35,296	39,012	45,700	55,601	68,474	83,623	100,000
006	35,949	36,154	37,544	41,131	47,587	57,144	69,570	84,192	100,000
007	38,022	38,220	39,565	43,036	49,283	58,531	70,554	84,704	100,000
008	39,914	40,106	41,410	44,775	50,832	59,796	71,453	85,171	100,000
009	41,661	41,847	43,113	46,380	52,261	60,965	72,283	85,602	100,000
010	43,288	43,469	44,700	47,876	53,592	62,054	73,056	86,003	100,000
011	44,814	44,991	46,188	49,279	54,841	63,075	73,781	86,380	100,000
012	46,255	46,427	47,593	50,603	56,020	64,039	74,466	86,736	100,000
013	47,621	47,789	48,925	51,858	57,138	64,953	75,115	87,073	100,000
014	48,922	49,085	50,194	53,054	58,203	65,823	75,733	87,394	100,000
015	50,165	50,324	51,405	54,196	59,220	66,655	76,323	87,701	100,000
016	51,356	51,511	52,567	55,291	60,194	67,452	76,889	87,995	100,000
017	52,500	52,652	53,683	56,343	61,131	68,218	77,433	88,277	100,000
018	53,603	53,752	54,758	57,357	62,033	68,956	77,957	88,549	100,000
019	54,667	54,812	55,796	58,335	62,904	69,668	78,462	88,812	100,000
020	55,697	55,838	56,800	59,281	63,747	70,357	78,951	89,066	100,000
021	56,694	56,832	57,772	60,197	64,562	71,024	79,425	89,312	100,000
022	57,661	57,796	58,715	61,086	65,354	71,671	79,885	89,551	100,000
023	58,600	58,733	59,631	61,950	66,123	72,300	80,331	89,783	100,000
024	59,514	59,644	60,523	62,790	66,871	72,911	80,765	90,008	100,000
025	60,404	60,531	61,390	63,608	67,599	73,507	81,188	90,228	100,000
026	61,272	61,396	62,236	64,405	68,309	74,087	81,600	90,442	100,000
027	62,119	62,240	63,062	65,183	69,002	74,654	82,003	90,651	100,000
028	62,946	63,064	63,868	65,943	69,679	75,207	82,396	90,855	100,000
029	63,754	63,870	64,657	66,686	70,340	75,748	82,780	91,055	100,000
030	64,545	64,658	65,428	67,413	70,987	76,277	83,155	91,250	100,000
031	65,319	65,430	66,183	68,125	71,621	76,795	83,523	91,441	100,000
032	66,078	66,186	66,922	68,822	72,241	77,303	83,883	91,628	100,000
033	66,821	66,927	67,647	69,505	72,850	77,800	84,237	91,811	100,000
034	67,551	67,654	68,359	70,176	73,447	78,288	84,583	91,991	100,000
035	68,266	68,368	69,056	70,834	74,032	78,767	84,923	92,168	100,000
036	68,969	69,069	69,742	71,480	74,608	79,237	85,257	92,342	100,000
037	69,660	69,757	70,415	72,114	75,173	79,699	85,585	92,512	100,000
038	70,339	70,434	71,077	72,738	75,728	80,154	85,908	92,680	100,000
039	71,006	71,099	71,728	73,352	76,274	80,600	86,225	92,844	100,000
040	71,663	71,754	72,369	73,955	76,812	81,040	86,537	93,006	100,000
041	72,309	72,398	72,999	74,549	77,341	81,472	86,844	93,166	100,000
042	72,946	73,032	73,619	75,134	77,861	81,898	87,147	93,323	100,000
043	73,573	73,657	74,231	75,711	78,374	82,317	87,444	93,478	100,000
044	74,190	74,273	74,833	76,278	78,880	82,731	87,738	93,630	100,000
045	74,799	74,880	75,426	76,838	79,378	83,138	88,027	93,780	100,000
046	75,399	75,478	76,012	77,389	79,869	83,540	88,312	93,929	100,000
047	75,991	76,068	76,589	77,933	80,354	83,936	88,593	94,075	100,000
048	76,575	76,650	77,158	78,470	80,831	84,326	88,871	94,219	100,000
049	77,151	77,225	77,720	79,000	81,303	84,712	89,145	94,361	100,000
050	77,720	77,792	78,275	79,523	81,769	85,093	89,415	94,501	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

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| Estado 1: Nuevo | Estado 3: Necesita Reparos Simples |
| Estado 1,5: Entre Nuevo y Conservación Normal | Estado 3,5: Entre Necesita Reparos Simples e Importantes |
| Estado 2: Conservación Normal | Estado 4: Necesita Reparos Importantes |
| Estado 2,5: Entre Normal y Necesita Reparos Simples | Estado 4,5: Entre Reparos Importantes y Obsoletos |
| | Estado 5: Obsoletos |

$X = 2,75$

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
051	78,282	78,351	78,823	80,039	82,228	85,468	89,682	94,640	100,000
052	78,837	78,904	79,364	80,549	82,682	85,840	89,945	94,777	100,000
053	79,385	79,451	79,898	81,052	83,130	86,206	90,206	94,912	100,000
054	79,926	79,990	80,426	81,550	83,574	86,569	90,463	95,046	100,000
055	80,461	80,524	80,948	82,042	84,011	86,927	90,717	95,178	100,000
056	80,990	81,051	81,463	82,528	84,444	87,280	90,968	95,308	100,000
057	81,513	81,572	81,973	83,009	84,872	87,630	91,217	95,437	100,000
058	82,030	82,088	82,478	83,484	85,295	87,976	91,463	95,565	100,000
059	82,542	82,598	82,976	83,954	85,714	88,319	91,706	95,691	100,000
060	83,048	83,102	83,470	84,419	86,128	88,657	91,946	95,816	100,000
061	83,548	83,601	83,958	84,879	86,538	88,992	92,184	95,940	100,000
062	84,044	84,095	84,441	85,335	86,943	89,324	92,419	96,062	100,000
063	84,534	84,584	84,919	85,785	87,344	89,652	92,652	96,183	100,000
064	85,020	85,068	85,393	86,232	87,742	89,977	92,883	96,303	100,000
065	85,500	85,547	85,862	86,673	88,135	90,298	93,111	96,422	100,000
066	85,976	86,021	86,326	87,111	88,525	90,617	93,337	96,539	100,000
067	86,448	86,491	86,785	87,544	88,910	90,932	93,561	96,655	100,000
068	86,915	86,957	87,241	87,973	89,292	91,245	93,783	96,771	100,000
069	87,378	87,418	87,692	88,399	89,671	91,554	94,003	96,885	100,000
070	87,836	87,875	88,139	88,820	90,046	91,861	94,221	96,998	100,000
071	88,290	88,328	88,582	89,237	90,418	92,165	94,437	97,110	100,000
072	88,740	88,776	89,021	89,651	90,786	92,466	94,651	97,221	100,000
073	89,187	89,221	89,456	90,061	91,151	92,765	94,863	97,331	100,000
074	89,629	89,662	89,887	90,468	91,513	93,061	95,073	97,440	100,000
075	90,067	90,099	90,315	90,871	91,872	93,354	95,281	97,549	100,000
076	90,502	90,533	90,739	91,271	92,228	93,645	95,488	97,656	100,000
077	90,933	90,963	91,159	91,667	92,581	93,934	95,693	97,762	100,000
078	91,361	91,389	91,576	92,060	92,931	94,220	95,896	97,868	100,000
079	91,785	91,812	91,990	92,450	93,278	94,504	96,097	97,973	100,000
080	92,206	92,231	92,400	92,837	93,622	94,785	96,297	98,076	100,000
081	92,624	92,647	92,807	93,220	93,964	95,064	96,495	98,180	100,000
082	93,038	93,060	93,211	93,601	94,303	95,342	96,692	98,282	100,000
083	93,449	93,470	93,612	93,979	94,639	95,617	96,888	98,383	100,000
084	93,857	93,876	94,010	94,354	94,973	95,890	97,081	98,484	100,000
085	94,261	94,280	94,404	94,726	95,304	96,160	97,274	98,584	100,000
086	94,663	94,680	94,796	95,095	95,633	96,429	97,464	98,683	100,000
087	95,062	95,078	95,185	95,461	95,959	96,696	97,654	98,781	100,000
088	95,458	95,472	95,571	95,825	96,283	96,961	97,842	98,879	100,000
089	95,851	95,864	95,954	96,187	96,605	97,224	98,029	98,976	100,000
090	96,241	96,253	96,335	96,545	96,924	97,485	98,214	99,072	100,000
091	96,629	96,639	96,713	96,901	97,241	97,744	98,398	99,168	100,000
092	97,013	97,023	97,088	97,255	97,556	98,002	98,581	99,263	100,000
093	97,396	97,404	97,460	97,606	97,869	98,257	98,763	99,357	100,000
094	97,775	97,782	97,831	97,955	98,179	98,511	98,943	99,451	100,000
095	98,152	98,158	98,198	98,302	98,488	98,764	99,122	99,544	100,000
096	98,527	98,531	98,563	98,646	98,794	99,014	99,300	99,636	100,000
097	98,899	98,902	98,926	98,988	99,099	99,263	99,477	99,728	100,000
098	99,268	99,270	99,286	99,327	99,401	99,510	99,652	99,819	100,000
099	99,635	99,636	99,644	99,665	99,701	99,756	99,827	99,910	100,000
100	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo	Estado 3: Necesita Reparos Simples
Estado 1,5: Entre Nuevo y Conservación Normal	Estado 3,5: Entre Necesita Reparos Simples e Importantes
Estado 2: Conservación Normal	Estado 4: Necesita Reparos Importantes
Estado 2,5: Entre Normal y Necesita Reparos Simples	Estado 4,5: Entre Reparos Importantes y Obsoletos
	Estado 5: Obsoletos

X = 3,00

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
001	21,544	21,795	23,498	27,891	35,800	47,505	62,726	3579,974	100,000
002	27,144	27,377	28,958	33,038	40,382	51,252	65,386	4038,208	100,000
003	31,072	31,293	32,789	36,649	43,596	53,880	67,252	4359,648	100,000
004	34,200	34,410	35,838	39,523	46,155	55,973	68,738	4615,547	100,000
005	36,840	37,042	38,413	41,950	48,316	57,740	69,993	4831,643	100,000
006	39,149	39,343	40,664	44,072	50,205	59,284	71,090	5020,536	100,000
007	41,213	41,401	42,677	45,969	51,894	60,666	72,070	5189,448	100,000
008	43,089	43,271	44,506	47,693	53,429	61,921	72,961	5342,948	100,000
009	44,814	44,991	46,188	49,279	54,841	63,075	73,781	5484,134	100,000
010	46,416	46,587	47,750	50,751	56,152	64,147	74,542	5615,212	100,000
011	47,914	48,081	49,211	52,128	57,378	65,149	75,254	5737,819	100,000
012	49,324	49,486	50,586	53,424	58,532	66,093	75,924	5853,203	100,000
013	50,658	50,816	51,887	54,650	59,623	66,985	76,558	5962,342	100,000
014	51,925	52,079	53,122	55,814	60,660	67,833	77,160	6066,018	100,000
015	53,133	53,283	54,300	56,924	61,649	68,641	77,733	6164,868	100,000
016	54,288	54,435	55,427	57,986	62,594	69,414	78,282	6259,416	100,000
017	55,397	55,539	56,507	59,005	63,501	70,156	78,809	6350,102	100,000
018	56,462	56,601	57,546	59,984	64,373	70,869	79,315	6437,299	100,000
019	57,489	57,625	58,547	60,928	65,213	71,556	79,803	6521,322	100,000
020	58,480	58,613	59,514	61,839	66,024	72,219	80,274	6602,447	100,000
021	59,439	59,569	60,449	62,721	66,809	72,861	80,730	6680,911	100,000
022	60,368	60,495	61,355	63,574	67,569	73,482	81,171	6756,922	100,000
023	61,269	61,393	62,234	64,403	68,307	74,085	81,599	6830,663	100,000
024	62,145	62,266	63,087	65,207	69,023	74,671	82,015	6902,297	100,000
025	62,996	63,114	63,917	65,990	69,720	75,241	82,419	6971,967	100,000
026	63,825	63,941	64,726	66,752	70,398	75,795	82,813	7039,803	100,000
027	64,633	64,746	65,514	67,494	71,059	76,336	83,197	7105,922	100,000
028	65,421	65,532	66,282	68,219	71,704	76,863	83,572	7170,427	100,000
029	66,191	66,299	67,033	68,926	72,334	77,378	83,937	7233,414	100,000
030	66,943	67,049	67,766	69,618	72,950	77,882	84,295	7294,970	100,000
031	67,679	67,782	68,484	70,294	73,552	78,374	84,644	7355,172	100,000
032	68,399	68,500	69,186	70,956	74,141	78,856	84,986	7414,093	100,000
033	69,104	69,203	69,874	71,604	74,718	79,328	85,321	7471,799	100,000
034	69,795	69,892	70,547	72,239	75,284	79,790	85,650	7528,351	100,000
035	70,473	70,567	71,208	72,862	75,838	80,243	85,972	7583,805	100,000
036	71,138	71,230	71,857	73,473	76,382	80,688	86,288	7638,212	100,000
037	71,791	71,881	72,493	74,073	76,916	81,125	86,598	7691,620	100,000
038	72,432	72,520	73,118	74,662	77,441	81,554	86,902	7744,075	100,000
039	73,061	73,148	73,732	75,241	77,956	81,975	87,201	7795,617	100,000
040	73,681	73,765	74,336	75,810	78,463	82,390	87,496	7846,286	100,000
041	74,290	74,372	74,930	76,370	78,961	82,797	87,785	7896,117	100,000
042	74,889	74,969	75,514	76,920	79,451	83,198	88,070	7945,144	100,000
043	75,478	75,557	76,089	77,462	79,934	83,593	88,350	7993,399	100,000
044	76,059	76,136	76,655	77,996	80,409	83,981	88,626	8040,912	100,000
045	76,631	76,706	77,213	78,521	80,877	84,364	88,897	8087,710	100,000
046	77,194	77,267	77,762	79,039	81,338	84,741	89,165	8133,820	100,000
047	77,750	77,821	78,304	79,550	81,793	85,112	89,429	8179,266	100,000
048	78,297	78,367	78,838	80,053	82,241	85,479	89,689	8224,072	100,000
049	78,837	78,905	79,364	80,549	82,683	85,840	89,946	8268,260	100,000
050	79,370	79,436	79,884	81,039	83,119	86,197	90,199	8311,851	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo	Estado 3: Necesita Reparos Simples
Estado 1,5: Entre Nuevo y Conservación Normal	Estado 3,5: Entre Necesita Reparos Simples e Importantes
Estado 2: Conservación Normal	Estado 4: Necesita Reparos Importantes
Estado 2,5: Entre Normal y Necesita Reparos Simples	Estado 4,5: Entre Reparos Importantes y Obsoletos
	Estado 5: Obsoletos

X = 3,00

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
051	79,896	79,960	80,396	81,522	83,549	86,548	90,448	8354,865	100,000
052	80,415	80,477	80,902	81,999	83,973	86,895	90,695	8397,320	100,000
053	80,927	80,988	81,402	82,470	84,392	87,238	90,938	8439,234	100,000
054	81,433	81,492	81,895	82,935	84,806	87,577	91,179	8480,624	100,000
055	81,932	81,990	82,382	83,394	85,215	87,911	91,416	8521,506	100,000
056	82,426	82,482	82,863	83,847	85,619	88,241	91,650	8561,896	100,000
057	82,913	82,968	83,339	84,296	86,018	88,567	91,882	8601,807	100,000
058	83,396	83,449	83,809	84,739	86,413	88,890	92,111	8641,255	100,000
059	83,872	83,924	84,274	85,177	86,803	89,209	92,338	8680,251	100,000
060	84,343	84,393	84,733	85,610	87,188	89,524	92,561	8718,810	100,000
061	84,809	84,858	85,188	86,038	87,569	89,836	92,783	8756,942	100,000
062	85,270	85,317	85,637	86,462	87,947	90,144	93,002	8794,660	100,000
063	85,726	85,772	86,082	86,881	88,320	90,449	93,219	8831,974	100,000
064	86,177	86,222	86,522	87,296	88,689	90,751	93,433	8868,896	100,000
065	86,624	86,667	86,957	87,706	89,054	91,050	93,645	8905,435	100,000
066	87,066	87,107	87,388	88,112	89,416	91,346	93,855	8941,601	100,000
067	87,503	87,543	87,815	88,514	89,774	91,639	94,063	8977,403	100,000
068	87,937	87,975	88,237	88,913	90,129	91,928	94,269	9012,851	100,000
069	88,366	88,403	88,655	89,307	90,480	92,215	94,472	9047,954	100,000
070	88,790	88,826	89,070	89,697	90,827	92,500	94,674	9082,718	100,000
071	89,211	89,246	89,480	90,084	91,172	92,781	94,874	9117,154	100,000
072	89,628	89,661	89,886	90,467	91,513	93,060	95,072	9151,267	100,000
073	90,041	90,073	90,289	90,847	91,851	93,337	95,269	9185,066	100,000
074	90,450	90,481	90,688	91,223	92,186	93,610	95,463	9218,558	100,000
075	90,856	90,885	91,084	91,596	92,517	93,882	95,656	9251,749	100,000
076	91,258	91,286	91,476	91,965	92,846	94,151	95,847	9284,646	100,000
077	91,657	91,683	91,864	92,332	93,173	94,417	96,036	9317,257	100,000
078	92,052	92,077	92,250	92,695	93,496	94,682	96,224	9349,586	100,000
079	92,443	92,468	92,632	93,055	93,816	94,944	96,410	9381,640	100,000
080	92,832	92,855	93,010	93,412	94,134	95,204	96,594	9413,424	100,000
081	93,217	93,239	93,386	93,766	94,449	95,461	96,777	9444,945	100,000
082	93,599	93,619	93,758	94,117	94,762	95,717	96,959	9476,207	100,000
083	93,978	93,997	94,128	94,465	95,072	95,971	97,139	9507,217	100,000
084	94,354	94,372	94,494	94,811	95,380	96,222	97,318	9537,978	100,000
085	94,727	94,744	94,858	95,153	95,685	96,472	97,495	9568,496	100,000
086	95,097	95,113	95,219	95,494	95,988	96,719	97,671	9598,776	100,000
087	95,464	95,479	95,577	95,831	96,288	96,965	97,845	9628,821	100,000
088	95,828	95,842	95,932	96,166	96,586	97,209	98,018	9658,638	100,000
089	96,190	96,202	96,285	96,498	96,882	97,451	98,190	9688,229	100,000
090	96,549	96,560	96,635	96,828	97,176	97,691	98,360	9717,600	100,000
091	96,905	96,915	96,982	97,156	97,468	97,929	98,530	9746,753	100,000
092	97,259	97,268	97,327	97,481	97,757	98,166	98,698	9775,694	100,000
093	97,610	97,618	97,670	97,803	98,044	98,401	98,865	9804,426	100,000
094	97,959	97,965	98,009	98,124	98,330	98,634	99,030	9832,953	100,000
095	98,350	98,310	98,347	98,442	98,613	98,866	99,195	9861,278	100,000
096	98,648	98,653	98,682	98,758	98,894	99,096	99,358	9889,405	100,000
097	98,990	98,993	99,015	99,072	99,173	99,324	99,520	9917,338	100,000
098	99,329	99,331	99,346	99,383	99,451	99,551	99,681	9945,079	100,000
099	99,666	99,667	99,674	99,693	99,726	99,776	99,841	9972,632	100,000
100	100,000	100,000	100,000	100,000	100,000	100,000	100,000	10000,000	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo

Estado 1,5: Entre Nuevo y Conservación Normal

Estado 2: Conservación Normal

Estado 2,5: Entre Normal y Necesita Reparos Simples

Estado 3: Necesita Reparos Simples

Estado 3,5: Entre Necesita Reparos Simples e Importantes

Estado 4: Necesita Reparos Importantes

Estado 4,5: Entre Reparos Importantes y Obsoletos

Estado 5: Obsoletos

X = 3,50

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
001	26,827	27,061	28,649	32,747	40,122	51,040	65,235	81,941	100,000
002	32,702	32,918	34,378	38,147	44,930	54,971	68,027	83,391	100,000
003	36,719	36,922	38,295	41,839	48,217	57,659	69,935	84,382	100,000
004	39,865	40,057	41,362	44,730	50,791	59,763	71,430	85,159	100,000
005	42,489	42,673	43,921	47,142	52,939	61,519	72,677	85,806	100,000
006	44,761	44,938	46,137	49,230	54,798	63,040	73,756	86,367	100,000
007	46,777	46,947	48,102	51,082	56,447	64,388	74,714	86,864	100,000
008	48,596	48,760	49,876	52,754	57,936	65,605	75,578	87,313	100,000
009	50,259	50,418	51,497	54,283	59,297	66,718	76,368	87,724	100,000
010	51,795	51,949	52,995	55,695	60,554	67,746	77,098	88,103	100,000
011	53,225	53,374	54,389	57,009	61,724	68,703	77,777	88,456	100,000
012	54,564	54,710	55,696	58,240	62,820	69,599	78,414	88,786	100,000
013	55,827	55,968	56,926	59,400	63,853	70,444	79,013	89,098	100,000
014	57,021	57,159	58,091	60,498	64,830	71,243	79,581	89,393	100,000
015	58,156	58,290	59,198	61,542	65,759	72,002	80,120	89,673	100,000
016	59,239	59,369	60,254	62,536	66,645	72,727	80,634	89,940	100,000
017	60,274	60,401	61,263	63,488	67,492	73,419	81,126	90,196	100,000
018	61,266	61,390	62,231	64,400	68,304	74,083	81,598	90,440	100,000
019	62,220	62,341	63,161	65,276	69,085	74,721	82,051	90,676	100,000
020	63,139	63,256	64,056	66,121	69,836	75,336	82,487	90,903	100,000
021	64,025	64,140	64,921	66,935	70,562	75,929	82,908	91,121	100,000
022	64,881	64,994	65,756	67,723	71,263	76,502	83,315	91,333	100,000
023	65,711	65,820	66,565	68,485	71,941	77,057	83,709	91,537	100,000
024	66,515	66,622	67,348	69,224	72,599	77,595	84,091	91,736	100,000
025	67,295	67,400	68,109	69,941	73,238	78,117	84,462	91,928	100,000
026	68,053	68,156	68,849	70,638	73,858	78,624	84,822	92,116	100,000
027	68,791	68,891	69,568	71,316	74,462	79,118	85,173	92,298	100,000
028	69,510	69,607	70,269	71,976	75,050	79,599	85,514	92,475	100,000
029	70,210	70,305	70,952	72,620	75,623	80,068	85,847	92,648	100,000
030	70,893	70,987	71,618	73,248	76,182	80,525	86,171	92,817	100,000
031	71,561	71,652	72,269	73,861	76,728	80,971	86,489	92,981	100,000
032	72,213	72,302	72,905	74,461	77,262	81,408	86,798	93,142	100,000
033	72,851	72,937	73,527	75,047	77,784	81,834	87,101	93,300	100,000
034	73,475	73,559	74,135	75,620	78,294	82,252	87,398	93,454	100,000
035	74,086	74,169	74,731	76,182	78,794	82,661	87,688	93,604	100,000
036	74,684	74,765	75,315	76,732	79,284	83,061	87,973	93,752	100,000
037	75,271	75,350	75,887	77,272	79,764	83,454	88,251	93,897	100,000
038	75,847	75,924	76,448	77,801	80,236	83,839	88,525	94,039	100,000
039	76,412	76,487	76,999	78,320	80,698	84,217	88,793	94,178	100,000
040	76,967	77,040	77,540	78,830	81,152	84,588	89,057	94,315	100,000
041	77,512	77,584	78,072	79,331	81,598	84,953	89,316	94,450	100,000
042	78,047	78,117	78,594	79,823	82,036	85,311	89,570	94,582	100,000
043	78,574	78,642	79,107	80,307	82,467	85,664	89,820	94,712	100,000
044	79,091	79,158	79,612	80,783	82,891	86,010	90,066	94,840	100,000
045	79,601	79,666	80,109	81,251	83,307	86,351	90,308	94,965	100,000
046	80,102	80,166	80,598	81,712	83,718	86,686	90,547	95,089	100,000
047	80,596	80,658	81,079	82,166	84,122	87,017	90,781	95,211	100,000
048	81,082	81,143	81,553	82,613	84,520	87,342	91,012	95,331	100,000
049	81,561	81,620	82,021	83,053	84,912	87,663	91,240	95,449	100,000
050	82,034	82,091	82,481	83,487	85,298	87,979	91,464	95,566	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo	Estado 3: Necesita Reparos Simples
Estado 1,5: Entre Nuevo y Conservación Normal	Estado 3,5: Entre Necesita Reparos Simples e Importantes
Estado 2: Conservación Normal	Estado 4: Necesita Reparos Importantes
Estado 2,5: Entre Normal y Necesita Reparos Simples	Estado 4,5: Entre Reparos Importantes y Obsoletos
	Estado 5: Obsoletos

X = 3,50

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
051	82,499	82,555	82,935	83,915	85,679	88,290	91,685	95,681	100,000
052	82,958	83,013	83,382	84,337	86,055	88,597	91,903	95,794	100,000
053	83,411	83,464	83,824	84,753	86,425	88,900	92,118	95,906	100,000
054	83,857	83,909	84,259	85,163	86,790	89,199	92,331	96,016	100,000
055	84,298	84,348	84,689	85,568	87,151	89,494	92,540	96,125	100,000
056	84,733	84,782	85,113	85,968	87,507	89,785	92,747	96,232	100,000
057	85,163	85,210	85,532	86,363	87,859	90,072	92,951	96,338	100,000
058	85,587	85,633	85,946	86,753	88,206	90,356	93,152	96,443	100,000
059	86,006	86,051	86,355	87,138	88,549	90,637	93,351	96,546	100,000
060	86,420	86,464	86,758	87,519	88,888	90,914	93,548	96,648	100,000
061	86,829	86,871	87,157	87,895	89,222	91,187	93,743	96,749	100,000
062	87,234	87,274	87,551	88,266	89,553	91,458	93,935	96,849	100,000
063	87,633	87,673	87,941	88,634	89,880	91,725	94,125	96,948	100,000
064	88,028	88,067	88,327	88,997	90,204	91,990	94,312	97,045	100,000
065	88,419	88,456	88,708	89,356	90,523	92,251	94,498	97,142	100,000
066	88,806	88,842	89,084	89,711	90,840	92,510	94,682	97,237	100,000
067	89,188	89,223	89,457	90,063	91,153	92,766	94,863	97,332	100,000
068	89,566	89,600	89,826	90,411	91,462	93,019	95,043	97,425	100,000
069	89,941	89,973	90,191	90,755	91,769	93,269	95,221	97,517	100,000
070	90,311	90,342	90,553	91,095	92,072	93,517	95,397	97,609	100,000
071	90,678	90,708	90,910	91,432	92,372	93,763	95,571	97,699	100,000
072	91,041	91,070	91,264	91,766	92,669	94,006	95,744	97,789	100,000
073	91,401	91,428	91,615	92,096	92,963	94,246	95,914	97,878	100,000
074	91,757	91,783	91,962	92,424	93,254	94,484	96,084	97,966	100,000
075	92,109	92,134	92,306	92,748	93,543	94,720	96,251	98,053	100,000
076	92,458	92,483	92,646	93,069	93,829	94,954	96,417	98,139	100,000
077	92,804	92,827	92,984	93,387	94,112	95,185	96,581	98,224	100,000
078	93,147	93,169	93,318	93,702	94,392	95,415	96,744	98,309	100,000
079	93,487	93,508	93,649	94,014	94,670	95,642	96,906	98,393	100,000
080	93,823	93,843	93,977	94,323	94,946	95,867	97,066	98,476	100,000
081	94,157	94,176	94,303	94,630	95,219	96,090	97,224	98,558	100,000
082	94,488	94,505	94,625	94,934	95,489	96,312	97,381	98,640	100,000
083	94,816	94,832	94,945	95,235	95,758	96,531	97,537	98,720	100,000
084	95,141	95,156	95,262	95,534	96,023	96,749	97,691	98,801	100,000
085	95,463	95,477	95,576	95,830	96,287	96,964	97,844	98,880	100,000
086	95,782	95,796	95,887	96,124	96,549	97,178	97,996	98,959	100,000
087	96,099	96,112	96,196	96,415	96,808	97,390	98,147	99,037	100,000
088	96,414	96,425	96,503	96,704	97,065	97,600	98,296	99,115	100,000
089	96,725	96,736	96,807	96,990	97,320	97,809	98,444	99,192	100,000
090	97,035	97,044	97,108	97,274	97,573	98,016	98,591	99,268	100,000
091	97,341	97,350	97,408	97,556	97,824	98,221	98,737	99,344	100,000
092	97,646	97,653	97,704	97,836	98,074	98,425	98,882	99,419	100,000
093	97,948	97,954	97,999	98,114	98,321	98,627	99,025	99,494	100,000
094	98,248	98,253	98,291	98,389	98,566	98,828	99,167	99,568	100,000
095	98,545	98,550	98,581	98,663	98,810	99,027	99,309	99,641	100,000
096	98,840	98,844	98,869	98,934	99,051	99,224	99,449	99,714	100,000
097	99,134	99,136	99,155	99,204	99,291	99,420	99,588	99,786	100,000
098	99,424	99,426	99,439	99,471	99,529	99,615	99,727	99,858	100,000
099	99,713	99,714	99,720	99,736	99,765	99,808	99,864	99,929	100,000
100	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo

Estado 1,5: Entre Nuevo y Conservación Normal

Estado 2: Conservación Normal

Estado 2,5: Entre Normal y Necesita Reparos Simples

Estado 3: Necesita Reparos Simples

Estado 3,5: Entre Necesita Reparos Simples e Importantes

Estado 4: Necesita Reparos Importantes

Estado 4,5: Entre Reparos Importantes y Obsoletos

Estado 5: Obsoletos

X = 4,00

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
001	31,623	31,842	33,325	37,154	44,047	54,249	67,514	83,125	100,000
002	37,606	37,806	39,160	42,654	48,943	58,252	70,357	84,601	100,000
003	41,618	41,805	43,072	46,341	52,226	60,937	72,263	85,591	100,000
004	44,721	44,898	46,098	49,193	54,765	63,013	73,737	86,357	100,000
005	47,287	47,456	48,600	51,552	56,865	64,730	74,956	86,990	100,000
006	49,492	49,654	50,750	53,578	58,670	66,205	76,004	87,535	100,000
007	51,437	51,592	52,646	55,366	60,261	67,506	76,928	88,015	100,000
008	53,183	53,333	54,349	56,970	61,690	68,675	77,757	88,446	100,000
009	54,772	54,917	55,898	58,431	62,990	69,738	78,512	88,838	100,000
010	56,234	56,374	57,324	59,775	64,186	70,716	79,207	89,199	100,000
011	57,590	57,726	58,646	61,021	65,296	71,624	79,851	89,533	100,000
012	58,857	58,988	59,881	62,185	66,332	72,471	80,453	89,846	100,000
013	60,046	60,174	61,041	63,279	67,306	73,267	81,018	90,139	100,000
014	61,169	61,293	62,136	64,311	68,225	74,018	81,551	90,417	100,000
015	62,233	62,354	63,174	65,289	69,096	74,730	82,057	90,679	100,000
016	63,246	63,363	64,161	66,219	69,924	75,408	82,538	90,929	100,000
017	64,211	64,326	65,103	67,107	70,714	76,054	82,997	91,167	100,000
018	65,136	65,247	66,004	67,956	71,470	76,672	83,436	91,395	100,000
019	66,022	66,131	66,868	68,771	72,196	77,265	83,857	91,614	100,000
020	66,874	66,980	67,699	69,554	72,893	77,835	84,262	91,825	100,000
021	67,695	67,798	68,499	70,308	73,565	78,385	84,652	92,027	100,000
022	68,487	68,587	69,271	71,036	74,213	78,914	85,028	92,222	100,000
023	69,252	69,350	70,018	71,739	74,839	79,426	85,392	92,411	100,000
024	69,993	70,089	70,740	72,420	75,445	79,922	85,744	92,594	100,000
025	70,711	70,804	71,440	73,080	76,033	80,403	86,085	92,771	100,000
026	71,407	71,499	72,119	73,721	76,603	80,869	86,416	92,943	100,000
027	72,084	72,174	72,779	74,343	77,157	81,322	86,737	93,110	100,000
028	72,743	72,830	73,421	74,948	77,695	81,762	87,050	93,273	100,000
029	73,384	73,469	74,046	75,537	78,220	82,191	87,355	93,431	100,000
030	74,008	74,091	74,655	76,111	78,731	82,609	87,651	93,585	100,000
031	74,617	74,699	75,249	76,671	79,229	83,017	87,941	93,736	100,000
032	75,212	75,291	75,829	77,217	79,716	83,414	88,223	93,882	100,000
033	75,793	75,870	76,396	77,751	80,191	83,803	88,499	94,026	100,000
034	76,361	76,436	76,949	78,273	80,656	84,183	88,769	94,166	100,000
035	76,916	76,990	77,491	78,784	81,110	84,555	89,033	94,303	100,000
036	77,460	77,532	78,021	79,283	81,555	84,918	89,291	94,437	100,000
037	77,992	78,062	78,540	79,773	81,991	85,274	89,544	94,568	100,000
038	78,514	78,583	79,049	80,252	82,418	85,624	89,792	94,697	100,000
039	79,025	79,092	79,548	80,722	82,836	85,966	90,035	94,823	100,000
040	79,527	79,593	80,037	81,183	83,247	86,302	90,273	94,947	100,000
041	80,020	80,083	80,517	81,636	83,650	86,631	90,507	95,069	100,000
042	80,503	80,565	80,989	82,080	84,046	86,955	90,737	95,188	100,000
043	80,978	81,039	81,452	82,517	84,434	87,272	90,963	95,305	100,000
044	81,445	81,504	81,907	82,946	84,816	87,585	91,184	95,421	100,000
045	81,904	81,962	82,354	83,368	85,192	87,892	91,402	95,534	100,000
046	82,355	82,411	82,794	83,782	85,561	88,194	91,617	95,645	100,000
047	82,799	82,854	83,227	84,190	85,924	88,491	91,828	95,755	100,000
048	83,236	83,289	83,653	84,592	86,282	88,783	92,035	95,863	100,000
049	83,666	83,718	84,073	84,987	86,634	89,071	92,240	95,969	100,000
050	84,090	84,141	84,486	85,377	86,981	89,354	92,441	96,073	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo	Estado 3: Necesita Reparos Simples
Estado 1,5: Entre Nuevo y Conservación Normal	Estado 3,5: Entre Necesita Reparos Simples e Importantes
Estado 2: Conservación Normal	Estado 4: Necesita Reparos Importantes
Estado 2,5: Entre Normal y Necesita Reparos Simples	Estado 4,5: Entre Reparos Importantes y Obsoletos
	Estado 5: Obsoletos

X = 4,00

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
051	84,507	84,557	84,893	85,760	87,322	89,634	92,639	96,176	100,000
052	84,918	84,966	85,294	86,138	87,659	89,909	92,835	96,278	100,000
053	85,324	85,371	85,689	86,511	87,990	90,180	93,027	96,378	100,000
054	85,723	85,769	86,079	86,878	88,317	90,447	93,217	96,476	100,000
055	86,117	86,162	86,463	87,240	88,640	90,711	93,404	96,574	100,000
056	86,506	86,549	86,842	87,598	88,958	90,971	93,589	96,670	100,000
057	86,890	86,932	87,216	87,950	89,272	91,228	93,771	96,764	100,000
058	87,268	87,309	87,585	88,298	89,582	91,481	93,951	96,858	100,000
059	87,642	87,682	87,950	88,642	89,888	91,731	94,129	96,950	100,000
060	88,011	88,050	88,310	88,981	90,190	91,978	94,304	97,041	100,000
061	88,376	88,413	88,665	89,316	90,488	92,222	94,477	97,131	100,000
062	88,736	88,772	89,016	89,647	90,782	92,463	94,648	97,220	100,000
063	89,091	89,126	89,363	89,974	91,073	92,701	94,817	97,308	100,000
064	89,443	89,477	89,706	90,297	91,361	92,936	94,984	97,394	100,000
065	89,790	89,823	90,044	90,616	91,645	93,169	95,149	97,480	100,000
066	90,133	90,165	90,379	90,932	91,926	93,398	95,312	97,565	100,000
067	90,473	90,503	90,710	91,244	92,204	93,625	95,474	97,649	100,000
068	90,809	90,838	91,038	91,552	92,479	93,850	95,633	97,732	100,000
069	91,141	91,169	91,361	91,857	92,750	94,072	95,791	97,814	100,000
070	91,469	91,496	91,682	92,159	93,019	94,292	95,947	97,895	100,000
071	91,794	91,820	91,998	92,458	93,285	94,509	96,101	97,975	100,000
072	92,116	92,141	92,312	92,753	93,548	94,725	96,254	98,054	100,000
073	92,434	92,458	92,622	93,046	93,809	94,937	96,405	98,133	100,000
074	92,749	92,772	92,929	93,335	94,066	95,148	96,555	98,210	100,000
075	93,060	93,083	93,233	93,622	94,321	95,357	96,703	98,287	100,000
076	93,369	93,390	93,534	93,906	94,574	95,563	96,850	98,364	100,000
077	93,675	93,695	93,832	94,186	94,824	95,768	96,995	98,439	100,000
078	93,977	93,997	94,127	94,465	95,072	95,970	97,139	98,514	100,000
079	94,277	94,296	94,420	94,740	95,317	96,171	97,281	98,588	100,000
080	94,574	94,592	94,709	95,013	95,560	96,370	97,422	98,661	100,000
081	94,868	94,885	94,996	95,283	95,801	96,566	97,562	98,734	100,000
082	95,160	95,175	95,280	95,551	96,039	96,761	97,700	98,805	100,000
083	95,449	95,463	95,562	95,817	96,276	96,955	97,838	98,877	100,000
084	95,735	95,748	95,841	96,080	96,510	97,146	97,974	98,947	100,000
085	96,018	96,031	96,118	96,341	96,742	97,336	98,108	99,017	100,000
086	96,300	96,311	96,392	96,599	96,972	97,524	98,242	99,087	100,000
087	96,578	96,589	96,664	96,855	97,200	97,711	98,374	99,156	100,000
088	96,855	96,865	96,933	97,109	97,426	97,895	98,506	99,224	100,000
089	97,129	97,138	97,200	97,361	97,650	98,079	98,636	99,291	100,000
090	97,400	97,409	97,465	97,611	97,873	98,261	98,765	99,358	100,000
091	97,670	97,677	97,728	97,858	98,093	98,441	98,893	99,425	100,000
092	97,937	97,944	97,988	98,104	98,312	98,620	99,020	99,491	100,000
093	98,202	98,208	98,247	98,348	98,529	98,797	99,146	99,556	100,000
094	98,465	98,470	98,503	98,589	98,744	98,973	99,271	99,621	100,000
095	98,726	98,730	98,758	98,829	98,957	99,147	99,395	99,686	100,000
096	98,985	98,988	99,010	99,067	99,169	99,321	99,518	99,749	100,000
097	99,241	99,244	99,260	99,303	99,379	99,492	99,640	99,813	100,000
098	99,496	99,498	99,509	99,537	99,588	99,663	99,761	99,876	100,000
099	99,749	99,750	99,755	99,769	99,795	99,832	99,881	99,938	100,000
100	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo	Estado 3: Necesita Reparos Simples
Estado 1,5: Entre Nuevo y Conservación Normal	Estado 3,5: Entre Necesita Reparos Simples e Importantes
Estado 2: Conservación Normal	Estado 4: Necesita Reparos Importantes
Estado 2,5: Entre Normal y Necesita Reparos Simples	Estado 4,5: Entre Reparos Importantes y Obsoletos
	Estado 5: Obsoletos

X = 4,50

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
001	35,938	36,143	37,533	41,121	47,578	57,136	69,564	84,190	100,000
002	41,923	42,109	43,369	46,621	52,475	61,141	72,408	85,667	100,000
003	45,876	46,049	47,223	50,254	55,710	63,785	74,286	86,642	100,000
004	48,904	49,068	50,177	53,038	58,188	65,812	75,724	87,390	100,000
005	51,390	51,546	52,601	55,323	60,223	67,475	76,906	88,003	100,000
006	53,515	53,664	54,673	57,276	61,962	68,897	77,915	88,528	100,000
007	55,380	55,523	56,491	58,990	63,488	70,145	78,801	88,988	100,000
008	57,048	57,186	58,118	60,523	64,853	71,261	79,594	89,400	100,000
009	58,561	58,694	59,593	61,914	66,091	72,273	80,312	89,773	100,000
010	59,948	60,077	60,946	63,189	67,226	73,201	80,971	90,115	100,000
011	61,232	61,356	62,197	64,368	68,276	74,060	81,581	90,432	100,000
012	62,427	62,547	63,363	65,467	69,254	74,860	82,149	90,727	100,000
013	63,548	63,664	64,455	66,497	70,171	75,610	82,681	91,004	100,000
014	64,603	64,716	65,484	67,466	71,034	76,316	83,183	91,264	100,000
015	65,601	65,711	66,457	68,384	71,851	76,983	83,657	91,510	100,000
016	66,548	66,655	67,381	69,255	72,627	77,618	84,107	91,744	100,000
017	67,451	67,555	68,262	70,084	73,365	78,221	84,536	91,967	100,000
018	68,313	68,415	69,102	70,877	74,071	78,798	84,946	92,180	100,000
019	69,139	69,238	69,907	71,636	74,746	79,351	85,338	92,384	100,000
020	69,932	70,028	70,680	72,364	75,395	79,881	85,714	92,579	100,000
021	70,694	70,788	71,424	73,065	76,019	80,391	86,077	92,767	100,000
022	71,429	71,520	72,140	73,740	76,620	80,883	86,426	92,949	100,000
023	72,138	72,227	72,831	74,392	77,200	81,357	86,763	93,124	100,000
024	72,823	72,910	73,500	75,022	77,761	81,816	87,088	93,293	100,000
025	73,487	73,572	74,147	75,632	78,304	82,260	87,404	93,457	100,000
026	74,130	74,213	74,774	76,223	78,831	82,690	87,709	93,615	100,000
027	74,754	74,835	75,383	76,797	79,341	83,108	88,006	93,769	100,000
028	75,361	75,440	75,974	77,354	79,838	83,514	88,294	93,919	100,000
029	75,951	76,028	76,550	77,896	80,321	83,909	88,574	94,065	100,000
030	76,525	76,600	77,110	78,424	80,791	84,293	88,847	94,206	100,000
031	77,085	77,158	77,655	78,939	81,249	84,668	89,113	94,345	100,000
032	77,631	77,702	78,188	79,440	81,695	85,033	89,372	94,479	100,000
033	78,163	78,233	78,707	79,930	82,131	85,389	89,625	94,611	100,000
034	78,684	78,752	79,214	80,408	82,557	85,737	89,873	94,739	100,000
035	79,192	79,259	79,710	80,875	82,973	86,077	90,114	94,865	100,000
036	79,689	79,754	80,195	81,333	83,380	86,410	90,350	94,987	100,000
037	80,176	80,240	80,670	81,780	83,778	86,736	90,582	95,107	100,000
038	80,653	80,715	81,134	82,218	84,168	87,055	90,808	95,225	100,000
039	81,120	81,180	81,590	82,647	84,550	87,367	91,030	95,340	100,000
040	81,577	81,636	82,036	83,068	84,925	87,673	91,247	95,453	100,000
041	82,026	82,084	82,474	83,480	85,292	87,974	91,461	95,564	100,000
042	82,467	82,523	82,903	83,885	85,652	88,268	91,670	95,673	100,000
043	82,899	82,954	83,325	84,282	86,006	88,558	91,875	95,779	100,000
044	83,323	83,377	83,739	84,673	86,354	88,842	92,077	95,884	100,000
045	83,741	83,793	84,145	85,056	86,695	89,121	92,275	95,987	100,000
046	84,151	84,201	84,545	85,433	87,030	89,395	92,470	96,088	100,000
047	84,554	84,603	84,938	85,803	87,360	89,665	92,661	96,188	100,000
048	84,950	84,998	85,325	86,168	87,685	89,930	92,850	96,286	100,000
049	85,340	85,387	85,705	86,526	88,004	90,191	93,035	96,382	100,000
050	85,724	85,770	86,080	86,879	88,318	90,448	93,218	96,477	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo	Estado 3: Necesita Reparos Simples
Estado 1,5: Entre Nuevo y Conservación Normal	Estado 3,5: Entre Necesita Reparos Simples e Importantes
Estado 2: Conservación Normal	Estado 4: Necesita Reparos Importantes
Estado 2,5: Entre Normal y Necesita Reparos Simples	Estado 4,5: Entre Reparos Importantes y Obsoletos
	Estado 5: Obsoletos

X = 4,50

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
051	86,102	86,147	86,449	87,227	88,628	90,701	93,397	96,570	100,000
052	86,475	86,518	86,812	87,569	88,932	90,950	93,574	96,662	100,000
053	86,842	86,884	87,169	87,906	89,233	91,196	93,748	96,753	100,000
054	87,203	87,244	87,522	88,238	89,528	91,438	93,920	96,842	100,000
055	87,559	87,599	87,869	88,566	89,820	91,676	94,089	96,930	100,000
056	87,911	87,949	88,212	88,889	90,107	91,911	94,256	97,016	100,000
057	88,257	88,295	88,550	89,207	90,391	92,143	94,421	97,102	100,000
058	88,599	88,635	88,883	89,521	90,670	92,372	94,583	97,186	100,000
059	88,936	88,972	89,212	89,831	90,946	92,597	94,744	97,269	100,000
060	89,269	89,303	89,536	90,137	91,219	92,820	94,902	97,352	100,000
061	89,597	89,631	89,856	90,439	91,488	93,040	95,058	97,433	100,000
062	89,922	89,954	90,173	90,737	91,753	93,257	95,212	97,513	100,000
063	90,242	90,273	90,485	91,031	92,015	93,471	95,364	97,592	100,000
064	90,558	90,589	90,794	91,322	92,274	93,683	95,514	97,670	100,000
065	90,871	90,900	91,098	91,610	92,530	93,892	95,663	97,747	100,000
066	91,180	91,208	91,399	91,893	92,782	94,098	95,810	97,823	100,000
067	91,485	91,512	91,697	92,174	93,032	94,303	95,955	97,899	100,000
068	91,787	91,813	91,991	92,451	93,279	94,504	96,098	97,973	100,000
069	92,085	92,110	92,282	92,725	93,523	94,704	96,240	98,047	100,000
070	92,380	92,404	92,570	92,996	93,764	94,901	96,380	98,119	100,000
071	92,672	92,695	92,854	93,264	94,003	95,097	96,518	98,191	100,000
072	92,960	92,983	93,135	93,530	94,239	95,290	96,655	98,263	100,000
073	93,245	93,267	93,414	93,792	94,473	95,480	96,791	98,333	100,000
074	93,528	93,548	93,689	94,051	94,704	95,669	96,925	98,403	100,000
075	93,807	93,827	93,961	94,308	94,932	95,856	97,058	98,472	100,000
076	94,084	94,103	94,231	94,562	95,159	96,041	97,189	98,540	100,000
077	94,357	94,375	94,498	94,814	95,383	96,225	97,319	98,607	100,000
078	94,628	94,645	94,762	95,063	95,604	96,406	97,448	98,674	100,000
079	94,897	94,913	95,024	95,309	95,824	96,585	97,575	98,740	100,000
080	95,162	95,178	95,283	95,554	96,041	96,763	97,702	98,806	100,000
081	95,425	95,440	95,539	95,795	96,256	96,939	97,827	98,871	100,000
082	95,686	95,700	95,793	96,035	96,470	97,113	97,950	98,935	100,000
083	95,944	95,957	96,045	96,272	96,681	97,286	98,073	98,999	100,000
084	96,200	96,212	96,294	96,507	96,890	97,457	98,194	99,062	100,000
085	96,453	96,464	96,541	96,740	97,097	97,627	98,315	99,125	100,000
086	96,704	96,714	96,786	96,971	97,303	97,795	98,434	99,187	100,000
087	96,953	96,962	97,029	97,199	97,506	97,961	98,552	99,248	100,000
088	97,199	97,208	97,269	97,426	97,708	98,126	98,669	99,309	100,000
089	97,444	97,452	97,507	97,650	97,908	98,290	98,785	99,369	100,000
090	97,686	97,693	97,743	97,873	98,106	98,452	98,901	99,429	100,000
091	97,926	97,933	97,978	98,094	98,303	98,612	99,015	99,488	100,000
092	98,164	98,170	98,210	98,313	98,498	98,772	99,128	99,547	100,000
093	98,400	98,405	98,440	98,530	98,691	98,930	99,240	99,605	100,000
094	98,634	98,639	98,668	98,745	98,883	99,086	99,351	99,663	100,000
095	98,867	98,870	98,895	98,958	99,073	99,242	99,462	99,720	100,000
096	99,097	99,100	99,119	99,170	99,261	99,396	99,571	99,777	100,000
097	99,325	99,328	99,342	99,380	99,448	99,549	99,680	99,834	100,000
098	99,552	99,553	99,563	99,588	99,633	99,700	99,787	99,889	100,000
099	99,777	99,778	99,782	99,795	99,817	99,851	99,894	99,945	100,000
100	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo	Estado 3: Necesita Reparos Simples
Estado 1,5: Entre Nuevo y Conservación Normal	Estado 3,5: Entre Necesita Reparos Simples e Importantes
Estado 2: Conservación Normal	Estado 4: Necesita Reparos Importantes
Estado 2,5: Entre Normal y Necesita Reparos Simples	Estado 4,5: Entre Reparos Importantes y Obsoletos
	Estado 5: Obsoletos

X = 5,00

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
001	39,811	40,003	41,309	44,680	50,747	59,727	71,404	85,145	100,000
002	45,731	45,904	47,082	50,121	55,591	63,688	74,217	86,606	100,000
003	49,593	49,755	50,849	53,671	58,752	66,273	76,052	87,560	100,000
004	52,531	52,682	53,713	56,371	61,156	68,238	77,447	88,285	100,000
005	54,928	55,072	56,050	58,574	63,118	69,842	78,586	88,876	100,000
006	56,968	57,106	58,039	60,449	64,787	71,207	79,555	89,380	100,000
007	58,752	58,884	59,779	62,089	66,246	72,401	80,403	89,820	100,000
008	60,342	60,469	61,329	63,550	67,548	73,465	81,158	90,212	100,000
009	61,780	61,902	62,732	64,872	68,725	74,427	81,842	90,567	100,000
010	63,096	63,214	64,015	66,081	69,801	75,307	82,467	90,892	100,000
011	64,310	64,424	65,199	67,197	70,795	76,120	83,044	91,192	100,000
012	65,439	65,550	66,300	68,235	71,719	76,875	83,580	91,470	100,000
013	66,495	66,602	67,329	69,206	72,583	77,582	84,082	91,731	100,000
014	67,488	67,592	68,297	70,118	73,395	78,246	84,553	91,976	100,000
015	68,426	68,527	69,212	70,980	74,163	78,874	84,999	92,207	100,000
016	69,314	69,413	70,079	71,797	74,890	79,468	85,421	92,427	100,000
017	70,160	70,256	70,903	72,574	75,582	80,034	85,823	92,635	100,000
018	70,967	71,060	71,690	73,315	76,242	80,574	86,206	92,835	100,000
019	71,738	71,829	72,442	74,025	76,873	81,090	86,573	93,025	100,000
020	72,478	72,566	73,163	74,704	77,479	81,585	86,924	93,208	100,000
021	73,189	73,274	73,856	75,358	78,060	82,061	87,262	93,383	100,000
022	73,873	73,956	74,523	75,986	78,620	82,518	87,587	93,552	100,000
023	74,532	74,614	75,167	76,593	79,160	82,960	87,900	93,715	100,000
024	75,170	75,249	75,788	77,178	79,681	83,386	88,203	93,872	100,000
025	75,786	75,863	76,389	77,745	80,186	83,798	88,496	94,024	100,000
026	76,383	76,458	76,971	78,293	80,674	84,198	88,779	94,171	100,000
027	76,961	77,035	77,535	78,825	81,147	84,585	89,054	94,314	100,000
028	77,523	77,595	78,083	79,342	81,607	84,961	89,321	94,453	100,000
029	78,069	78,139	78,615	79,843	82,054	85,326	89,581	94,587	100,000
030	78,600	78,669	79,133	80,332	82,489	85,681	89,833	94,719	100,000
031	79,117	79,184	79,637	80,807	82,912	86,027	90,079	94,846	100,000
032	79,621	79,687	80,129	81,270	83,324	86,365	90,318	94,971	100,000
033	80,113	80,177	80,608	81,722	83,726	86,694	90,552	95,092	100,000
034	80,593	80,655	81,076	82,163	84,119	87,015	90,780	95,210	100,000
035	81,061	81,122	81,533	82,593	84,502	87,328	91,002	95,326	100,000
036	81,519	81,578	81,979	83,014	84,877	87,635	91,220	95,439	100,000
037	81,967	82,025	82,416	83,426	85,244	87,934	91,433	95,550	100,000
038	82,406	82,462	82,844	83,829	85,603	88,228	91,641	95,658	100,000
039	82,835	82,890	83,262	84,223	85,954	88,515	91,845	95,764	100,000
040	83,255	83,309	83,672	84,610	86,298	88,796	92,045	95,867	100,000
041	83,667	83,720	84,074	84,989	86,635	89,072	92,240	95,969	100,000
042	84,072	84,123	84,468	85,360	86,966	89,342	92,432	96,069	100,000
043	84,468	84,518	84,855	85,725	87,290	89,608	92,621	96,167	100,000
044	84,858	84,906	85,235	86,083	87,609	89,868	92,806	96,263	100,000
045	85,240	85,287	85,607	86,434	87,922	90,124	92,987	96,357	100,000
046	85,615	85,661	85,974	86,779	88,229	90,375	93,166	96,450	100,000
047	85,984	86,029	86,333	87,118	88,531	90,622	93,341	96,541	100,000
048	86,347	86,391	86,687	87,452	88,828	90,865	93,514	96,630	100,000
049	86,704	86,747	87,035	87,780	89,120	91,104	93,683	96,719	100,000
050	87,055	87,096	87,377	88,102	89,407	91,339	93,850	96,805	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo	Estado 3: Necesita Reparos Simples
Estado 1,5: Entre Nuevo y Conservación Normal	Estado 3,5: Entre Necesita Reparos Simples e Importantes
Estado 2: Conservación Normal	Estado 4: Necesita Reparos Importantes
Estado 2,5: Entre Normal y Necesita Reparos Simples	Estado 4,5: Entre Reparos Importantes y Obsoletos
	Estado 5: Obsoletos

X = 5,00

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
051	87,401	87,441	87,714	88,420	89,690	91,570	94,014	96,890	100,000
052	87,741	87,780	88,046	88,732	89,968	91,797	94,176	96,974	100,000
053	88,076	88,114	88,372	89,040	90,242	92,021	94,335	97,057	100,000
054	88,405	88,442	88,694	89,343	90,512	92,242	94,491	97,138	100,000
055	88,730	88,766	89,011	89,642	90,778	92,460	94,646	97,219	100,000
056	89,051	89,086	89,323	89,937	91,040	92,674	94,798	97,298	100,000
057	89,367	89,401	89,631	90,227	91,299	92,885	94,948	97,376	100,000
058	89,678	89,711	89,935	90,513	91,553	93,094	95,096	97,453	100,000
059	89,985	90,017	90,234	90,795	91,805	93,299	95,242	97,528	100,000
060	90,288	90,319	90,530	91,074	92,053	93,502	95,386	97,603	100,000
061	90,587	90,617	90,821	91,349	92,297	93,702	95,528	97,677	100,000
062	90,882	90,911	91,109	91,620	92,539	93,899	95,668	97,750	100,000
063	91,173	91,202	91,393	91,887	92,777	94,094	95,806	97,822	100,000
064	91,461	91,488	91,674	92,152	93,013	94,287	95,943	97,893	100,000
065	91,745	91,771	91,951	92,413	93,245	94,477	96,078	97,963	100,000
066	92,026	92,051	92,224	92,671	93,475	94,664	96,211	98,032	100,000
067	92,303	92,327	92,494	92,926	93,701	94,850	96,343	98,100	100,000
068	92,577	92,600	92,762	93,177	93,926	95,033	96,473	98,168	100,000
069	92,847	92,870	93,026	93,426	94,147	95,214	96,602	98,235	100,000
070	93,115	93,137	93,286	93,672	94,366	95,393	96,729	98,301	100,000
071	93,380	93,401	93,544	93,915	94,582	95,570	96,855	98,366	100,000
072	93,641	93,661	93,799	94,156	94,797	95,745	96,979	98,431	100,000
073	93,900	93,919	94,052	94,393	95,008	95,918	97,102	98,494	100,000
074	94,156	94,174	94,301	94,628	95,218	96,090	97,223	98,558	100,000
075	94,409	94,427	94,548	94,861	95,425	96,259	97,344	98,620	100,000
076	94,659	94,676	94,792	95,091	95,630	96,426	97,463	98,682	100,000
077	94,907	94,923	95,034	95,319	95,832	96,592	97,580	98,743	100,000
078	95,152	95,168	95,273	95,544	96,033	96,756	97,697	98,804	100,000
079	95,395	95,410	95,510	95,768	96,232	96,919	97,812	98,863	100,000
080	95,635	95,649	95,744	95,988	96,428	97,080	97,926	98,923	100,000
081	95,873	95,886	95,976	96,207	96,623	97,239	98,039	98,981	100,000
082	96,109	96,121	96,206	96,424	96,816	97,396	98,151	99,040	100,000
083	96,342	96,354	96,433	96,638	97,007	97,552	98,262	99,097	100,000
084	96,573	96,584	96,658	96,850	97,196	97,707	98,372	99,154	100,000
085	96,802	96,812	96,882	97,061	97,383	97,860	98,481	99,211	100,000
086	97,029	97,038	97,103	97,269	97,568	98,012	98,588	99,267	100,000
087	97,253	97,262	97,322	97,475	97,752	98,162	98,695	99,322	100,000
088	97,476	97,484	97,539	97,680	97,934	98,311	98,801	99,377	100,000
089	97,696	97,704	97,754	97,883	98,115	98,459	98,905	99,431	100,000
090	97,915	97,922	97,967	98,084	98,294	98,605	99,009	99,485	100,000
091	98,131	98,137	98,178	98,283	98,471	98,750	99,112	99,539	100,000
092	98,346	98,351	98,387	98,480	98,647	98,893	99,214	99,592	100,000
093	98,559	98,564	98,595	98,676	98,821	99,036	99,315	99,644	100,000
094	98,770	98,774	98,801	98,870	98,994	99,177	99,416	99,696	100,000
095	98,979	98,983	99,005	99,062	99,165	99,317	99,515	99,748	100,000
096	99,187	99,189	99,207	99,253	99,335	99,456	99,614	99,799	100,000
097	99,393	99,395	99,408	99,442	99,503	99,594	99,711	99,850	100,000
098	99,593	99,598	99,607	99,629	99,670	99,730	99,808	99,900	100,000
099	99,799	99,800	99,804	99,815	99,836	99,866	99,905	99,950	100,000
100	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo

Estado 1,5: Entre Nuevo y Conservación Normal

Estado 2: Conservación Normal

Estado 2,5: Entre Normal y Necesita Reparos Simples

Estado 3: Necesita Reparos Simples

Estado 3,5: Entre Necesita Reparos Simples e Importantes

Estado 4: Necesita Reparos Importantes

Estado 4,5: Entre Reparos Importantes y Obsoletos

Estado 5: Obsoletos

X = 6,00

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
001	46,416	46,587	47,750	50,751	56,152	64,147	74,542	86,775	100,000
002	52,100	52,253	53,293	55,975	60,803	67,950	77,243	88,178	100,000
003	55,743	55,884	56,845	59,323	63,784	70,387	78,973	89,077	100,000
004	58,480	58,613	59,514	61,839	66,024	72,219	80,274	89,753	100,000
005	60,696	60,822	61,675	63,876	67,838	73,702	81,327	90,300	100,000
006	62,569	62,689	63,501	65,597	69,370	74,955	82,216	90,762	100,000
007	64,197	64,312	65,089	67,094	70,703	76,044	82,990	91,164	100,000
008	65,642	65,752	66,497	68,422	71,885	77,011	83,677	91,520	100,000
009	66,943	67,049	67,766	69,618	72,950	77,882	84,295	91,842	100,000
010	68,129	68,231	68,923	70,708	73,920	78,675	84,858	92,134	100,000
011	69,220	69,319	69,987	71,710	74,813	79,405	85,376	92,404	100,000
012	70,231	70,326	70,972	72,640	75,640	80,082	85,857	92,653	100,000
013	71,174	71,267	71,892	73,506	76,412	80,713	86,305	92,886	100,000
014	72,059	72,148	72,755	74,319	77,136	81,305	86,725	93,104	100,000
015	72,892	72,979	73,567	75,085	77,818	81,862	87,121	93,310	100,000
016	73,681	73,765	74,336	75,810	78,463	82,390	87,496	93,504	100,000
017	74,429	74,511	75,066	76,498	79,075	82,890	87,851	93,689	100,000
018	75,141	75,221	75,760	77,152	79,658	83,367	88,190	93,865	100,000
019	75,821	75,899	76,424	77,778	80,215	83,822	88,513	94,033	100,000
020	76,472	76,548	77,058	78,376	80,747	84,258	88,822	94,193	100,000
021	77,097	77,170	77,667	78,950	81,258	84,675	89,119	94,347	100,000
022	77,697	77,768	78,252	79,501	81,749	85,077	89,404	94,496	100,000
023	78,275	78,344	78,816	80,032	82,222	85,464	89,678	94,638	100,000
024	78,832	78,900	79,359	80,544	82,678	85,836	89,943	94,776	100,000
025	79,370	79,436	79,884	81,039	83,119	86,197	90,199	94,909	100,000
026	79,891	79,955	80,391	81,517	83,544	86,545	90,446	95,037	100,000
027	80,395	80,457	80,883	81,981	83,957	86,882	90,686	95,161	100,000
028	80,883	80,945	81,359	82,430	84,357	87,209	90,918	95,282	100,000
029	81,358	81,418	81,822	82,866	84,745	87,527	91,143	95,399	100,000
030	81,819	81,877	82,272	83,290	85,122	87,835	91,362	95,513	100,000
031	82,267	82,324	82,709	83,702	85,489	88,135	91,575	95,624	100,000
032	82,704	82,759	83,134	84,103	85,846	88,427	91,783	95,731	100,000
033	83,129	83,183	83,549	84,494	86,194	88,712	91,985	95,836	100,000
034	83,544	83,596	83,953	84,875	86,534	88,989	92,182	95,939	100,000
035	83,948	84,000	84,348	85,247	86,865	89,260	92,374	96,038	100,000
036	84,343	84,393	84,733	85,610	87,188	89,524	92,561	96,136	100,000
037	84,729	84,778	85,110	85,965	87,504	89,782	92,745	96,231	100,000
038	85,107	85,154	85,478	86,312	87,813	90,035	92,924	96,324	100,000
039	85,476	85,522	85,838	86,651	88,115	90,282	93,100	96,415	100,000
040	85,837	85,883	86,190	86,983	88,411	90,524	93,271	96,505	100,000
041	86,191	86,236	86,535	87,309	88,700	90,761	93,440	96,592	100,000
042	86,532	86,581	86,873	87,627	88,984	90,993	93,604	96,678	100,000
043	86,838	86,920	87,205	87,940	89,263	91,220	93,766	96,762	100,000
044	87,212	87,253	87,530	88,246	89,535	91,443	93,924	96,844	100,000
045	87,539	87,579	87,849	88,547	89,803	91,662	94,080	96,925	100,000
046	87,860	87,899	88,163	88,842	90,066	91,877	94,232	97,004	100,000
047	88,866	88,214	88,470	89,132	90,324	92,088	94,382	97,082	100,000
048	88,846	88,523	88,772	89,417	90,578	92,296	94,530	97,158	100,000
049	88,790	88,826	89,070	89,697	90,827	92,500	94,674	97,233	100,000
050	89,090	89,125	89,362	89,973	91,072	92,700	94,817	97,307	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo	Estado 3: Necesita Reparos Simples
Estado 1,5: Entre Nuevo y Conservación Normal	Estado 3,5: Entre Necesita Reparos Simples e Importantes
Estado 2: Conservación Normal	Estado 4: Necesita Reparos Importantes
Estado 2,5: Entre Normal y Necesita Reparos Simples	Estado 4,5: Entre Reparos Importantes y Obsoletos
	Estado 5: Obsoletos

X = 6,00

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
051	89,384	89,418	89,649	90,243	91,313	92,897	94,957	97,380	100,000
052	89,674	89,707	89,931	90,510	91,550	93,091	95,094	97,452	100,000
053	89,959	89,991	90,209	90,772	91,784	93,282	95,230	97,522	100,000
054	90,240	90,271	90,483	91,030	92,013	93,470	95,363	97,591	100,000
055	90,516	90,547	90,753	91,284	92,240	93,655	95,494	97,659	100,000
056	90,789	90,818	91,018	91,534	92,462	93,837	95,624	97,727	100,000
057	91,057	91,085	91,280	91,780	92,682	94,016	95,751	97,793	100,000
058	91,321	91,349	91,537	92,023	92,898	94,193	95,877	97,858	100,000
059	91,582	91,609	91,791	92,263	93,111	94,367	96,000	97,922	100,000
060	91,839	91,865	92,042	92,499	93,322	94,539	96,123	97,986	100,000
061	92,092	92,117	92,289	92,732	93,529	94,709	96,243	98,048	100,000
062	92,342	92,366	92,533	92,961	93,733	94,876	96,362	98,110	100,000
063	92,588	92,612	92,773	93,188	93,935	95,041	96,479	98,171	100,000
064	92,832	92,855	93,010	93,412	94,134	95,204	96,594	98,231	100,000
065	93,072	93,094	93,244	93,632	94,331	95,364	96,708	98,290	100,000
066	93,309	93,331	93,476	93,850	94,525	95,523	96,821	98,349	100,000
067	93,543	93,564	93,704	94,066	94,716	95,680	96,932	98,406	100,000
068	93,755	93,794	93,930	94,278	94,906	95,835	97,042	98,464	100,000
069	94,003	94,022	94,152	94,488	95,093	95,987	97,151	98,520	100,000
070	94,229	94,247	94,372	94,696	95,277	96,138	97,258	98,576	100,000
071	94,452	94,469	94,590	94,901	95,460	96,288	97,364	98,631	100,000
072	94,672	94,689	94,805	95,103	95,640	96,435	97,469	98,685	100,000
073	94,890	94,906	95,017	95,303	95,818	96,581	97,572	98,739	100,000
074	95,105	95,121	95,227	95,501	95,995	96,725	97,675	98,792	100,000
075	95,318	95,333	95,435	95,697	96,169	96,868	97,776	98,845	100,000
076	95,529	95,543	95,640	95,891	96,341	97,009	97,876	98,897	100,000
077	95,737	95,751	95,844	96,082	96,512	97,148	97,975	98,948	100,000
078	95,944	95,957	96,045	96,272	96,681	97,286	98,073	98,999	100,000
079	96,147	96,160	96,243	96,459	96,847	97,422	98,170	99,049	100,000
080	96,349	96,361	96,440	96,645	97,013	97,557	98,266	99,099	100,000
081	96,549	96,560	96,635	96,828	97,176	97,691	98,360	99,148	100,000
082	96,747	96,757	96,828	97,010	97,338	97,823	98,454	99,197	100,000
083	96,942	96,952	97,018	97,190	97,498	97,954	98,547	99,245	100,000
084	97,136	97,145	97,207	97,368	97,656	98,084	98,639	99,293	100,000
085	97,328	97,336	97,394	97,544	97,813	98,212	98,730	99,340	100,000
086	97,518	97,526	97,579	97,718	97,969	98,339	98,821	99,387	100,000
087	97,706	97,713	97,763	97,891	98,123	98,465	98,910	99,434	100,000
088	97,892	97,899	97,944	98,063	98,275	98,590	98,998	99,480	100,000
089	98,077	98,083	98,124	98,232	98,426	98,713	99,086	99,525	100,000
090	98,259	98,265	98,303	98,400	98,576	98,835	99,173	99,570	100,000
091	98,440	98,445	98,479	98,567	98,724	98,957	99,259	99,615	100,000
092	98,620	98,624	98,654	98,732	98,871	99,077	99,344	99,659	100,000
093	98,798	98,802	98,828	98,895	99,016	99,196	99,429	99,703	100,000
094	98,974	98,977	99,000	99,057	99,160	99,314	99,513	99,747	100,000
095	99,149	99,151	99,170	99,218	99,303	99,430	99,596	99,790	100,000
096	99,322	99,324	99,339	99,377	99,445	99,546	99,678	99,833	100,000
097	99,494	99,495	99,506	99,535	99,586	99,661	99,759	99,875	100,000
098	99,664	99,665	99,672	99,691	99,725	99,775	99,840	99,917	100,000
099	99,833	99,833	99,837	99,846	99,863	99,888	99,920	99,959	100,000
100	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo	Estado 3: Necesita Reparos Simples
Estado 1,5: Entre Nuevo y Conservación Normal	Estado 3,5: Entre Necesita Reparos Simples e Importantes
Estado 2: Conservación Normal	Estado 4: Necesita Reparos Importantes
Estado 2,5: Entre Normal y Necesita Reparos Simples	Estado 4,5: Entre Reparos Importantes y Obsoletos
	Estado 5: Obsoletos

X = 7,00

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
001	51,795	51,949	52,995	55,695	60,554	67,746	77,098	88,103	100,000
002	57,186	57,323	58,252	60,650	64,965	71,353	79,659	89,434	100,000
003	60,596	60,722	61,577	63,784	67,756	73,635	81,279	90,275	100,000
004	63,139	63,256	64,056	66,121	69,836	75,336	82,487	90,903	100,000
005	65,184	65,295	66,051	68,000	71,510	76,704	83,459	91,407	100,000
006	66,904	67,010	67,728	69,581	72,917	77,855	84,276	91,832	100,000
007	68,393	68,495	69,180	70,950	74,136	78,852	84,984	92,199	100,000
008	69,711	69,807	70,465	72,161	75,214	79,733	85,609	92,525	100,000
009	70,893	70,987	71,618	73,248	76,182	80,525	86,171	92,817	100,000
010	71,969	72,058	72,667	74,236	77,062	81,244	86,682	93,082	100,000
011	72,955	73,042	73,629	75,143	77,869	81,904	87,151	93,325	100,000
012	73,868	73,951	74,518	75,982	78,616	82,515	87,585	93,551	100,000
013	74,717	74,798	75,347	76,763	79,311	83,083	87,988	93,760	100,000
014	75,512	75,591	76,122	77,493	79,962	83,615	88,366	93,956	100,000
015	76,260	76,336	76,851	78,181	80,574	84,116	88,721	94,141	100,000
016	76,967	77,040	77,540	78,830	81,152	84,588	89,057	94,315	100,000
017	77,636	77,708	78,193	79,445	81,700	85,036	89,375	94,481	100,000
018	78,273	78,342	78,814	80,030	82,221	85,462	89,677	94,638	100,000
019	78,880	78,947	79,406	80,588	82,717	85,868	89,966	94,787	100,000
020	79,460	79,525	79,971	81,121	83,192	86,257	90,241	94,931	100,000
021	80,016	80,079	80,513	81,632	83,647	86,628	90,505	95,068	100,000
022	80,549	80,611	81,033	82,123	84,083	86,985	90,759	95,200	100,000
023	81,062	81,123	81,534	82,594	84,503	87,329	91,003	95,326	100,000
024	81,557	81,616	82,016	83,049	84,908	87,659	91,238	95,448	100,000
025	82,034	82,091	82,481	83,487	85,298	87,979	91,464	95,566	100,000
026	82,494	82,550	82,930	83,911	85,675	88,287	91,683	95,680	100,000
027	82,940	82,995	83,365	84,321	86,040	88,585	91,895	95,790	100,000
028	83,372	83,426	83,786	84,718	86,394	88,875	92,100	95,896	100,000
029	83,791	83,843	84,195	85,103	86,737	89,155	92,299	96,000	100,000
030	84,198	84,249	84,592	85,477	87,069	89,427	92,493	96,100	100,000
031	84,594	84,643	84,977	85,840	87,393	89,692	92,680	96,198	100,000
032	84,978	85,026	85,352	86,193	87,708	89,949	92,863	96,293	100,000
033	85,353	85,399	85,717	86,537	88,014	90,199	93,041	96,385	100,000
034	85,717	85,763	86,073	86,873	88,312	90,443	93,214	96,475	100,000
035	86,073	86,118	86,420	87,200	88,604	90,681	93,383	96,563	100,000
036	86,420	86,464	86,758	87,519	88,888	90,914	93,548	96,648	100,000
037	86,759	86,801	87,089	87,830	89,165	91,140	93,709	96,732	100,000
038	87,090	87,131	87,412	88,135	89,436	91,362	93,867	96,814	100,000
039	87,414	87,454	87,727	88,432	89,701	91,579	94,020	96,894	100,000
040	87,731	87,770	88,036	88,723	89,960	91,791	94,171	96,972	100,000
041	88,041	88,079	88,338	89,008	90,214	91,998	94,318	97,048	100,000
042	88,344	88,382	88,635	89,287	90,462	92,201	94,462	97,123	100,000
043	88,642	88,678	88,925	89,561	90,706	92,400	94,604	97,197	100,000
044	88,933	88,969	89,209	89,829	90,944	92,595	94,742	97,269	100,000
045	89,219	89,254	89,488	90,091	91,178	92,787	94,878	97,339	100,000
046	89,500	89,533	89,761	90,349	91,408	92,974	95,011	97,409	100,000
047	89,775	89,808	90,030	90,602	91,633	93,159	95,142	97,477	100,000
048	90,046	90,078	90,294	90,851	91,854	93,340	95,271	97,543	100,000
049	90,311	90,342	90,553	91,095	92,072	93,517	95,397	97,609	100,000
050	90,572	90,603	90,807	91,335	92,285	93,692	95,521	97,673	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo

Estado 1,5: Entre Nuevo y Conservación Normal

Estado 2: Conservación Normal

Estado 2,5: Entre Normal y Necesita Reparos Simples

Estado 3: Necesita Reparos Simples

Estado 3,5: Entre Necesita Reparos Simples e Importantes

Estado 4: Necesita Reparos Importantes

Estado 4,5: Entre Reparos Importantes y Obsoletos

Estado 5: Obsoletos

X = 7,00

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
051	90,829	90,858	91,057	91,571	92,495	93,864	95,643	97,737	100,000
052	91,081	91,110	91,303	91,803	92,702	94,032	95,763	97,799	100,000
053	91,329	91,357	91,545	92,031	92,905	94,199	95,881	97,860	100,000
054	91,574	91,601	91,783	92,255	93,105	94,362	95,997	97,920	100,000
055	91,814	91,840	92,018	92,476	93,301	94,523	96,111	97,980	100,000
056	92,051	92,076	92,249	92,694	93,495	94,681	96,223	98,038	100,000
057	92,284	92,308	92,476	92,908	93,686	94,837	96,334	98,096	100,000
058	92,513	92,537	92,700	93,119	93,874	94,991	96,443	98,152	100,000
059	92,739	92,763	92,920	93,327	94,059	95,142	96,551	98,208	100,000
060	92,962	92,985	93,138	93,532	94,241	95,291	96,656	98,263	100,000
061	93,182	93,204	93,352	93,734	94,421	95,438	96,761	98,317	100,000
062	93,399	93,420	93,563	93,933	94,598	95,583	96,864	98,371	100,000
063	93,613	93,633	93,772	94,129	94,773	95,726	96,965	98,424	100,000
064	93,823	93,843	93,977	94,323	94,946	95,867	97,066	98,476	100,000
065	94,031	94,051	94,180	94,514	95,116	96,006	97,164	98,527	100,000
066	94,237	94,255	94,380	94,703	95,284	96,144	97,262	98,578	100,000
067	94,439	94,457	94,578	94,889	95,450	96,279	97,358	98,628	100,000
068	94,640	94,657	94,773	95,073	95,614	96,413	97,453	98,677	100,000
069	94,837	94,854	94,966	95,255	95,775	96,546	97,547	98,726	100,000
070	95,032	95,048	95,156	95,434	95,935	96,676	97,640	98,774	100,000
071	95,225	95,240	95,344	95,611	96,093	96,805	97,731	98,822	100,000
072	95,415	95,430	95,530	95,786	96,249	96,933	97,822	98,869	100,000
073	95,604	95,618	95,713	95,959	96,403	97,058	97,911	98,915	100,000
074	95,790	95,803	95,895	96,130	96,555	97,183	98,000	98,961	100,000
075	95,974	95,986	96,074	96,299	96,705	97,306	98,087	99,006	100,000
076	96,155	96,168	96,251	96,466	96,854	97,428	98,173	99,051	100,000
077	96,335	96,347	96,426	96,632	97,001	97,548	98,259	99,095	100,000
078	96,513	96,524	96,600	96,795	97,146	97,667	98,343	99,139	100,000
079	96,689	96,699	96,771	96,956	97,290	97,784	98,427	99,183	100,000
080	96,863	96,873	96,941	97,116	97,433	97,901	98,509	99,226	100,000
081	97,035	97,044	97,108	97,274	97,573	98,016	98,591	99,268	100,000
082	97,205	97,214	97,274	97,431	97,713	98,130	98,672	99,310	100,000
083	97,373	97,382	97,439	97,586	97,851	98,242	98,752	99,352	100,000
084	97,540	97,548	97,601	97,739	97,987	98,354	98,831	99,393	100,000
085	97,705	97,712	97,762	97,891	98,122	98,464	98,910	99,434	100,000
086	97,868	97,875	97,922	98,041	98,256	98,574	98,987	99,474	100,000
087	98,030	98,037	98,079	98,190	98,388	98,682	99,064	99,514	100,000
088	98,190	98,196	98,235	98,337	98,519	98,789	99,140	99,553	100,000
089	98,349	98,354	98,390	98,483	98,649	98,895	99,216	99,593	100,000
090	98,506	98,511	98,543	98,627	98,778	99,000	99,290	99,631	100,000
091	98,662	98,666	98,695	98,770	98,905	99,105	99,364	99,670	100,000
092	98,816	98,820	98,845	98,912	99,031	99,208	99,437	99,708	100,000
093	98,969	98,972	98,994	99,052	99,156	99,310	99,510	99,745	100,000
094	99,120	99,123	99,142	99,191	99,280	99,411	99,582	99,783	100,000
095	99,270	99,272	99,288	99,329	99,403	99,512	99,653	99,820	100,000
096	99,419	99,420	99,433	99,466	99,524	99,611	99,724	99,856	100,000
097	99,566	99,567	99,577	99,601	99,645	99,709	99,794	99,893	100,000
098	99,712	99,713	99,719	99,735	99,764	99,807	99,863	99,929	100,000
099	99,857	99,857	99,860	99,868	99,883	99,904	99,932	99,965	100,000
100	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo	Estado 3: Necesita Reparos Simples
Estado 1,5: Entre Nuevo y Conservación Normal	Estado 3,5: Entre Necesita Reparos Simples e Importantes
Estado 2: Conservación Normal	Estado 4: Necesita Reparos Importantes
Estado 2,5: Entre Normal y Necesita Reparos Simples	Estado 4,5: Entre Reparos Importantes y Obsoletos
	Estado 5: Obsoletos

X = 8,00

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
001	56,234	56,374	57,324	59,775	64,186	70,716	79,207	89,199	100,000
002	61,324	61,448	62,287	64,453	68,351	74,122	81,625	90,455	100,000
003	64,512	64,626	65,396	67,383	70,960	76,255	83,140	91,242	100,000
004	66,874	66,980	67,699	69,554	72,893	77,835	84,262	91,825	100,000
005	68,766	68,866	69,543	71,292	74,441	79,101	85,161	92,291	100,000
006	70,351	70,446	71,089	72,749	75,738	80,162	85,914	92,683	100,000
007	71,720	71,810	72,424	74,007	76,858	81,078	86,564	93,020	100,000
008	72,927	73,013	73,601	75,117	77,846	81,885	87,137	93,318	100,000
009	74,008	74,091	74,655	76,111	78,731	82,609	87,651	93,585	100,000
010	74,989	75,069	75,612	77,013	79,534	83,265	88,117	93,827	100,000
011	75,888	75,965	76,489	77,839	80,269	83,867	88,544	94,049	100,000
012	76,718	76,793	77,298	78,602	80,948	84,422	88,939	94,254	100,000
013	77,490	77,562	78,050	79,311	81,580	84,938	89,305	94,444	100,000
014	78,211	78,280	78,753	79,973	82,170	85,421	89,648	94,622	100,000
015	78,888	78,956	79,414	80,596	82,724	85,874	89,970	94,790	100,000
016	79,527	79,593	80,037	81,183	83,247	86,302	90,273	94,947	100,000
017	80,132	80,196	80,627	81,739	83,742	86,706	90,561	95,097	100,000
018	80,707	80,768	81,187	82,267	84,212	87,091	90,834	95,238	100,000
019	81,254	81,314	81,721	82,770	84,660	87,457	91,094	95,373	100,000
020	81,777	81,835	82,230	83,251	85,088	87,807	91,342	95,502	100,000
021	82,277	82,334	82,718	83,711	85,497	88,141	91,580	95,626	100,000
022	82,757	82,812	83,186	84,152	85,890	88,462	91,808	95,744	100,000
023	83,218	83,271	83,636	84,575	86,267	88,771	92,027	95,858	100,000
024	83,662	83,714	84,068	84,983	86,630	89,068	92,238	95,968	100,000
025	84,090	84,141	84,486	85,377	86,981	89,354	92,441	96,073	100,000
026	84,503	84,553	84,889	85,757	87,319	89,631	92,637	96,175	100,000
027	84,902	84,951	85,278	86,124	87,646	89,898	92,827	96,274	100,000
028	85,289	85,336	85,656	86,479	87,962	90,157	93,011	96,369	100,000
029	85,664	85,710	86,021	86,824	88,269	90,408	93,189	96,462	100,000
030	86,028	86,073	86,376	87,158	88,567	90,651	93,362	96,552	100,000
031	86,381	86,425	86,720	87,483	88,856	90,888	93,530	96,639	100,000
032	86,725	86,767	87,055	87,799	89,137	91,118	93,693	96,724	100,000
033	87,059	87,101	87,381	88,106	89,410	91,341	93,852	96,806	100,000
034	87,385	87,425	87,699	88,405	89,677	91,559	94,006	96,887	100,000
035	87,702	87,741	88,008	88,697	89,936	91,771	94,157	96,965	100,000
036	88,011	88,050	88,310	88,981	90,190	91,978	94,304	97,041	100,000
037	88,313	88,351	88,604	89,259	90,437	92,180	94,448	97,116	100,000
038	88,608	88,644	88,892	89,530	90,678	92,378	94,588	97,188	100,000
039	88,896	88,932	89,173	89,794	90,914	92,570	94,725	97,260	100,000
040	89,178	89,213	89,447	90,053	91,144	92,759	94,858	97,329	100,000
041	89,454	89,487	89,716	90,307	91,370	92,943	94,989	97,397	100,000
042	89,723	89,756	89,979	90,555	91,591	93,124	95,118	97,464	100,000
043	89,988	90,020	90,237	90,798	91,807	93,301	95,243	97,529	100,000
044	90,247	90,278	90,490	91,036	92,019	93,474	95,366	97,593	100,000
045	90,501	90,531	90,737	91,269	92,227	93,644	95,487	97,656	100,000
046	90,750	90,779	90,980	91,498	92,430	93,811	95,605	97,717	100,000
047	90,994	91,023	91,218	91,722	92,630	93,974	95,721	97,777	100,000
048	91,234	91,262	91,452	91,943	92,827	94,134	95,835	97,836	100,000
049	91,469	91,496	91,682	92,159	93,019	94,292	95,947	97,895	100,000
050	91,700	91,727	91,907	92,372	93,208	94,447	96,057	97,952	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo	Estado 3: Necesita Reparos Simples
Estado 1,5: Entre Nuevo y Conservación Normal	Estado 3,5: Entre Necesita Reparos Simples e Importantes
Estado 2: Conservación Normal	Estado 4: Necesita Reparos Importantes
Estado 2,5: Entre Normal y Necesita Reparos Simples	Estado 4,5: Entre Reparos Importantes y Obsoletos
	Estado 5: Obsoletos

X = 8,00

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
051	91,928	91,954	92,129	92,581	93,394	94,599	96,165	98,008	100,000
052	92,151	92,176	92,347	92,786	93,577	94,748	96,271	98,063	100,000
053	92,371	92,395	92,561	92,988	93,757	94,895	96,375	98,117	100,000
054	92,587	92,611	92,771	93,187	93,934	95,040	96,478	98,170	100,000
055	92,799	92,822	92,979	93,382	94,108	95,182	96,579	98,223	100,000
056	93,009	93,031	93,183	93,574	94,279	95,322	96,678	98,275	100,000
057	93,215	93,236	93,384	93,764	94,448	95,460	96,776	98,325	100,000
058	93,418	93,439	93,581	93,950	94,614	95,596	96,873	98,375	100,000
059	93,617	93,638	93,776	94,134	94,777	95,729	96,968	98,425	100,000
060	93,814	93,834	93,968	94,315	94,938	95,861	97,061	98,473	100,000
061	94,008	94,027	94,157	94,493	95,097	95,991	97,153	98,521	100,000
062	94,200	94,218	94,344	94,669	95,254	96,119	97,244	98,568	100,000
063	94,388	94,406	94,528	94,842	95,408	96,245	97,334	98,615	100,000
064	94,574	94,592	94,709	95,013	95,560	96,370	97,422	98,661	100,000
065	94,758	94,774	94,888	95,182	95,710	96,492	97,509	98,706	100,000
066	94,939	94,955	95,065	95,348	95,858	96,613	97,595	98,751	100,000
067	95,117	95,133	95,239	95,512	96,004	96,733	97,680	98,795	100,000
068	95,294	95,309	95,411	95,674	96,149	96,851	97,764	98,838	100,000
069	95,468	95,482	95,580	95,834	96,291	96,967	97,847	98,881	100,000
070	95,639	95,653	95,748	95,992	96,432	97,082	97,928	98,924	100,000
071	95,809	95,823	95,914	96,148	96,571	97,196	98,009	98,966	100,000
072	95,977	95,990	96,077	96,302	96,708	97,308	98,089	99,007	100,000
073	96,142	96,155	96,239	96,455	96,843	97,419	98,167	99,048	100,000
074	96,306	96,318	96,398	96,605	96,977	97,528	98,245	99,088	100,000
075	96,468	96,479	96,556	96,754	97,110	97,637	98,322	99,128	100,000
076	96,628	96,639	96,712	96,901	97,240	97,744	98,398	99,168	100,000
077	96,786	96,796	96,866	97,046	97,370	97,849	98,473	99,207	100,000
078	96,942	96,952	97,018	97,189	97,498	97,954	98,547	99,245	100,000
079	97,096	97,106	97,169	97,331	97,624	98,057	98,621	99,283	100,000
080	97,249	97,258	97,318	97,472	97,749	98,159	98,693	99,321	100,000
081	97,400	97,409	97,465	97,611	97,873	98,261	98,765	99,358	100,000
082	97,550	97,558	97,611	97,748	97,995	98,361	98,836	99,395	100,000
083	97,698	97,705	97,755	97,884	98,116	98,460	98,906	99,432	100,000
084	98,844	97,851	97,898	98,019	98,236	98,558	98,976	99,468	100,000
085	97,989	97,995	98,039	98,152	98,354	98,654	99,045	99,504	100,000
086	98,132	98,138	98,179	98,283	98,472	98,750	99,113	99,539	100,000
087	98,274	98,280	98,317	98,414	98,588	98,845	99,180	99,574	100,000
088	98,415	98,420	98,454	98,543	98,703	98,939	99,247	99,609	100,000
089	98,554	98,559	98,590	98,671	98,817	99,032	99,313	99,643	100,000
090	98,692	98,696	98,724	98,797	98,929	99,125	99,378	99,677	100,000
091	98,828	98,832	98,857	98,923	99,041	99,216	99,443	99,711	100,000
092	98,963	98,966	98,989	99,047	99,152	99,306	99,507	99,744	100,000
093	99,097	99,100	99,119	99,170	99,261	99,396	99,571	99,777	100,000
094	99,230	99,232	99,249	99,292	99,370	99,484	99,634	99,810	100,000
095	99,361	99,363	99,377	99,413	99,477	99,572	99,696	99,842	100,000
096	99,491	99,493	99,504	99,532	99,584	99,659	99,758	99,874	100,000
097	99,620	99,621	99,629	99,651	99,689	99,746	99,819	99,906	100,000
098	99,748	99,749	99,754	99,768	99,794	99,831	99,880	99,938	100,000
099	99,874	99,875	99,878	99,885	99,897	99,916	99,940	99,969	100,000
100	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo	Estado 3: Necesita Reparos Simples
Estado 1,5: Entre Nuevo y Conservación Normal	Estado 3,5: Entre Necesita Reparos Simples e Importantes
Estado 2: Conservación Normal	Estado 4: Necesita Reparos Importantes
Estado 2,5: Entre Normal y Necesita Reparos Simples	Estado 4,5: Entre Reparos Importantes y Obsoletos
	Estado 5: Obsoletos

X = 9,00

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
001	59,948	60,077	60,946	63,189	67,226	73,201	80,971	90,115	100,000
002	64,748	64,861	65,626	67,600	71,153	76,413	83,252	91,300	100,000
003	67,732	67,835	68,535	70,342	73,595	78,409	84,669	92,036	100,000
004	69,932	70,028	70,680	72,364	75,395	79,881	85,714	92,579	100,000
005	71,687	71,778	72,392	73,978	76,832	81,056	86,549	93,012	100,000
006	73,154	73,240	73,823	75,326	78,032	82,037	87,246	93,374	100,000
007	74,418	74,500	75,055	76,488	79,066	82,883	87,846	93,686	100,000
008	75,530	75,609	76,140	77,510	79,976	83,627	88,374	93,961	100,000
009	76,525	76,600	77,110	78,424	80,791	84,293	88,847	94,206	100,000
010	77,426	77,499	77,988	79,253	81,528	84,896	89,275	94,429	100,000
011	78,251	78,320	78,792	80,010	82,203	85,448	89,667	94,632	100,000
012	79,011	79,078	79,533	80,709	82,825	85,956	90,028	94,820	100,000
013	79,717	79,782	80,222	81,358	83,402	86,428	90,363	94,994	100,000
014	80,376	80,439	80,864	81,963	83,942	86,869	90,677	95,157	100,000
015	80,994	81,055	81,468	82,532	84,448	87,283	90,970	95,309	100,000
016	81,577	81,636	82,036	83,068	84,925	87,673	91,247	95,453	100,000
017	82,129	82,186	82,574	83,574	85,376	88,042	91,509	95,589	100,000
018	82,652	82,707	83,084	84,055	85,804	88,392	91,758	95,718	100,000
019	83,150	83,204	83,569	84,513	86,212	88,726	91,994	95,841	100,000
020	83,625	83,678	84,033	84,950	86,600	89,044	92,220	95,959	100,000
021	84,080	84,131	84,476	85,368	86,972	89,348	92,436	96,071	100,000
022	84,515	84,565	84,901	85,768	87,329	89,639	92,643	96,178	100,000
023	84,934	84,982	85,309	86,153	87,671	89,919	92,842	96,282	100,000
024	85,336	85,383	85,702	86,523	88,001	90,189	93,033	96,381	100,000
025	85,724	85,770	86,080	86,879	88,318	90,448	93,218	96,477	100,000
026	86,009	86,143	86,445	87,223	88,625	90,699	93,396	96,569	100,000
027	86,461	86,504	86,798	87,556	88,921	90,941	93,567	96,658	100,000
028	86,811	86,853	87,139	87,878	89,207	91,175	93,734	96,745	100,000
029	87,150	87,191	87,470	88,189	89,485	91,402	93,895	96,829	100,000
030	87,472	87,519	87,790	88,492	89,754	91,622	94,051	96,910	100,000
031	87,798	87,837	88,102	88,785	90,015	91,836	94,203	96,989	100,000
032	88,108	88,146	88,404	89,070	90,269	92,043	94,350	97,065	100,000
033	88,410	88,447	88,699	89,348	90,516	92,245	94,494	97,140	100,000
034	88,704	88,740	88,985	89,618	90,756	92,442	94,633	97,212	100,000
035	88,990	89,025	89,264	89,881	90,990	92,633	94,769	97,283	100,000
036	89,269	89,303	89,536	90,137	91,219	92,820	94,902	97,352	100,000
037	89,541	89,575	89,802	90,387	91,441	93,002	95,031	97,419	100,000
038	89,807	89,839	90,061	90,631	91,659	93,180	95,157	97,484	100,000
039	90,066	90,098	90,314	90,870	91,871	93,353	95,281	97,548	100,000
040	90,320	90,351	90,561	91,103	92,079	93,523	95,401	97,611	100,000
041	90,568	90,598	90,803	91,331	92,282	93,689	95,519	97,672	100,000
042	90,811	90,840	91,040	91,554	92,481	93,852	95,634	97,732	100,000
043	91,049	91,077	91,272	91,773	92,675	94,011	95,747	97,791	100,000
044	91,282	91,310	91,499	91,987	92,866	94,167	95,858	97,848	100,000
045	91,510	91,537	91,721	92,197	93,053	94,319	95,966	97,905	100,000
046	91,734	91,760	91,939	92,402	93,236	94,469	96,073	97,960	100,000
047	91,953	91,979	92,153	92,604	93,415	94,616	96,177	98,014	100,000
048	92,168	92,194	92,363	92,802	93,591	94,760	96,279	98,067	100,000
049	92,380	92,404	92,570	92,996	93,764	94,901	96,380	98,119	100,000
050	92,587	92,611	92,772	93,187	93,934	95,040	96,478	98,171	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo	Estado 3: Necesita Reparos Simples
Estado 1,5: Entre Nuevo y Conservación Normal	Estado 3,5: Entre Necesita Reparos Simples e Importantes
Estado 2: Conservación Normal	Estado 4: Necesita Reparos Importantes
Estado 2,5: Entre Normal y Necesita Reparos Simples	Estado 4,5: Entre Reparos Importantes y Obsoletos
	Estado 5: Obsoletos

X = 9,00

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
051	92,791	92,814	92,971	93,375	94,101	95,177	96,575	98,221	100,000
052	92,992	93,014	93,166	93,559	94,265	95,311	96,670	98,270	100,000
053	93,189	93,211	93,358	93,740	94,426	95,443	96,764	98,319	100,000
054	93,383	93,404	93,547	93,918	94,585	95,572	96,856	98,367	100,000
055	93,573	93,594	93,733	94,093	94,741	95,700	96,947	98,414	100,000
056	93,761	93,781	93,916	94,265	94,894	95,825	97,036	98,460	100,000
057	93,945	93,965	94,096	94,435	95,045	95,949	97,123	98,506	100,000
058	94,127	94,146	94,273	94,602	95,194	96,070	97,210	98,551	100,000
059	94,306	94,324	94,448	94,767	95,341	96,190	97,295	98,595	100,000
060	94,482	94,500	94,620	94,929	95,485	96,308	97,379	98,638	100,000
061	94,656	94,673	94,789	95,088	95,627	96,424	97,461	98,681	100,000
062	94,827	94,844	94,956	95,246	95,767	96,539	97,542	98,723	100,000
063	94,996	95,012	95,120	95,401	95,905	96,652	97,623	98,765	100,000
064	95,162	95,178	95,283	95,554	96,041	96,763	97,702	98,806	100,000
065	95,326	95,341	95,443	95,704	96,175	96,873	97,780	98,847	100,000
066	95,488	95,503	95,600	95,853	96,308	96,981	97,856	98,886	100,000
067	95,648	95,662	95,756	96,000	96,439	97,088	97,932	98,926	100,000
068	95,805	95,819	95,910	96,145	96,568	97,193	98,007	98,965	100,000
069	95,961	95,974	96,061	96,288	96,695	97,297	98,081	99,003	100,000
070	96,114	96,127	96,211	96,429	96,820	97,400	98,154	99,041	100,000
071	96,266	96,278	96,359	96,568	96,945	97,502	98,226	99,078	100,000
072	96,416	96,427	96,505	96,706	97,067	97,602	98,297	99,115	100,000
073	96,564	96,575	96,649	96,842	97,188	97,701	98,367	99,152	100,000
074	96,710	96,720	96,792	96,976	97,308	97,798	98,437	99,188	100,000
075	96,854	96,864	96,932	97,109	97,426	97,895	98,505	99,224	100,000
076	96,997	97,006	97,072	97,240	97,542	97,991	98,573	99,259	100,000
077	97,138	97,147	97,209	97,369	97,658	98,085	98,640	99,294	100,000
078	97,277	97,286	97,345	97,497	97,772	98,178	98,706	99,328	100,000
079	97,415	97,423	97,479	97,624	97,885	98,270	98,772	99,362	100,000
080	97,551	97,559	97,612	97,749	97,996	98,361	98,837	99,396	100,000
081	97,686	97,693	97,743	97,873	98,106	98,452	98,901	99,429	100,000
082	97,819	97,826	97,873	97,996	98,215	98,541	98,964	99,462	100,000
083	97,951	97,958	98,002	98,117	98,323	98,629	99,026	99,494	100,000
084	98,081	98,088	98,129	98,237	98,430	98,716	99,088	99,526	100,000
085	98,210	98,216	98,255	98,355	98,536	98,803	99,150	99,558	100,000
086	98,338	98,343	98,380	98,473	98,640	98,888	99,210	99,590	100,000
087	98,465	98,469	98,503	98,589	98,744	98,973	99,271	99,621	100,000
088	98,590	98,594	98,625	98,704	98,846	99,056	99,330	99,652	100,000
089	98,714	98,718	98,746	98,818	98,947	99,139	99,389	99,682	100,000
090	98,836	98,840	98,865	98,930	99,048	99,221	99,447	99,713	100,000
091	98,958	98,961	98,984	99,042	99,147	99,303	99,505	99,743	100,000
092	99,078	99,081	99,101	99,152	99,245	99,383	99,562	99,772	100,000
093	99,197	99,199	99,217	99,262	99,343	99,463	99,618	99,802	100,000
094	99,315	99,317	99,332	99,370	99,439	99,542	99,674	99,831	100,000
095	99,432	99,434	99,446	99,478	99,535	99,620	99,730	99,860	100,000
096	99,547	99,549	99,559	99,584	99,630	99,697	99,785	99,888	100,000
097	99,662	99,663	99,671	99,689	99,724	99,774	99,839	99,917	100,000
098	99,776	99,776	99,781	99,794	99,817	99,850	99,893	99,945	100,000
099	99,888	99,889	99,891	99,897	99,909	99,925	99,947	99,972	100,000
100	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo

Estado 1,5: Entre Nuevo y Conservación Normal

Estado 2: Conservación Normal

Estado 2,5: Entre Normal y Necesita Reparos Simples

Estado 3: Necesita Reparos Simples

Estado 3,5: Entre Necesita Reparos Simples e Importantes

Estado 4: Necesita Reparos Importantes

Estado 4,5: Entre Reparos Importantes y Obsoletos

Estado 5: Obsoletos

X = 10,00

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
001	63,096	63,214	64,015	66,081	69,801	75,307	82,467	90,892	100,000
002	67,624	67,728	68,430	70,244	73,507	78,337	84,618	92,010	100,000
003	70,000	70,517	71,159	72,815	75,797	80,210	85,948	92,700	100,000
004	70,423	72,566	73,163	74,704	77,479	81,585	86,924	93,208	100,000
005	72,478	74,196	74,758	76,208	78,817	82,679	87,701	93,611	100,000
006	74,113	75,556	76,088	77,461	79,933	83,592	88,349	93,948	100,000
007	75,477	76,724	77,231	78,539	80,892	84,376	88,906	94,237	100,000
008	77,680	77,751	78,236	79,486	81,736	85,066	89,396	94,491	100,000
009	78,600	78,669	79,133	80,332	82,489	85,681	89,833	94,719	100,000
010	79,433	79,499	79,945	81,097	83,170	86,239	90,229	94,924	100,000
011	80,194	80,257	80,687	81,796	83,792	86,747	90,590	95,112	100,000
012	80,894	80,955	81,370	82,440	84,366	87,216	90,923	95,285	100,000
013	81,544	81,603	82,004	83,037	84,898	87,651	91,232	95,445	100,000
014	82,151	82,208	82,595	83,595	85,394	88,057	91,520	95,595	100,000
015	82,720	82,775	83,150	84,118	85,860	88,438	91,790	95,735	100,000
016	83,255	83,309	83,672	84,610	86,298	88,796	92,045	95,867	100,000
017	83,762	83,814	84,166	85,075	86,712	89,135	92,285	95,992	100,000
018	84,242	84,292	84,634	85,517	87,105	89,456	92,513	96,111	100,000
019	84,698	84,747	85,079	85,936	87,479	89,762	92,730	96,224	100,000
020	85,134	85,182	85,504	86,337	87,835	90,053	92,937	96,331	100,000
021	85,550	85,597	85,910	86,719	88,176	90,332	93,135	96,434	100,000
022	85,949	85,994	86,299	87,086	88,502	90,599	93,325	96,532	100,000
023	86,332	86,376	86,673	87,438	88,816	90,855	93,506	96,627	100,000
024	86,700	86,743	87,032	87,776	89,117	91,101	93,681	96,718	100,000
025	87,055	87,096	87,377	88,102	89,407	91,339	93,850	96,805	100,000
026	87,397	87,437	87,711	88,417	89,687	91,567	94,012	96,890	100,000
027	87,728	87,767	88,033	88,720	89,958	91,789	94,169	96,971	100,000
028	88,047	88,086	88,345	89,014	90,219	92,002	94,321	97,050	100,000
029	88,357	88,394	88,647	89,299	90,472	92,210	94,468	97,126	100,000
030	88,657	88,693	88,939	89,574	90,718	92,410	94,611	97,201	100,000
031	88,948	88,983	89,223	89,842	90,956	92,605	94,749	97,272	100,000
032	89,231	89,265	89,499	90,102	91,188	92,794	94,884	97,342	100,000
033	89,506	89,539	89,767	90,355	91,413	92,978	95,014	97,410	100,000
034	89,773	89,806	90,028	90,601	91,632	93,157	95,141	97,476	100,000
035	90,034	90,066	90,282	90,840	91,845	93,332	95,265	97,540	100,000
036	90,288	90,319	90,530	91,074	92,053	93,502	95,386	97,603	100,000
037	90,536	90,566	90,771	91,301	92,255	93,667	95,504	97,664	100,000
038	90,778	90,807	91,007	91,524	92,453	93,829	95,618	97,724	100,000
039	91,014	91,042	91,237	91,741	92,646	93,987	95,731	97,782	100,000
040	91,244	91,272	91,462	91,953	92,835	94,142	95,840	97,839	100,000
041	91,470	91,497	91,682	92,160	93,020	94,293	95,947	97,895	100,000
042	91,691	91,717	91,898	92,363	93,200	94,440	96,052	97,949	100,000
043	91,907	91,933	92,108	92,561	93,377	94,585	96,155	98,003	100,000
044	92,118	92,143	92,314	92,756	93,550	94,726	96,255	98,055	100,000
045	92,325	92,350	92,517	92,946	93,720	94,865	96,354	98,106	100,000
046	92,529	92,552	92,715	93,133	93,886	95,001	96,450	98,156	100,000
047	92,728	92,751	92,909	93,316	94,049	95,134	96,545	98,205	100,000
048	92,923	92,946	93,099	93,496	94,209	95,265	96,638	98,253	100,000
049	93,115	93,137	93,286	93,672	94,366	95,393	96,729	98,301	100,000
050	93,303	93,325	93,470	93,845	94,520	95,519	96,818	98,347	100,000

TABLA: JANS-HEIDECKE, MEJORADO

DEPRECIACIÓN EN FUNCIÓN A LA ANTIGÜEDAD Y EL ESTADO

Estado 1: Nuevo	Estado 3: Necesita Reparos Simples
Estado 1,5: Entre Nuevo y Conservación Normal	Estado 3,5: Entre Necesita Reparos Simples e Importantes
Estado 2: Conservación Normal	Estado 4: Necesita Reparos Importantes
Estado 2,5: Entre Normal y Necesita Reparos Simples	Estado 4,5: Entre Reparos Importantes y Obsoletos
	Estado 5: Obsoletos

X = 10,00

Edad en % de Vida	ESTADO DE CONSERVACIÓN EN %								
	1	1,5	2	2,5	3	3,5	4	4,5	5
051	93,488	93,509	93,650	94,015	94,671	95,643	96,906	98,393	100,000
052	93,670	93,690	93,828	94,182	94,820	95,765	96,993	98,438	100,000
053	93,849	93,868	94,002	94,346	94,966	95,884	97,077	98,482	100,000
054	94,024	94,043	94,173	94,508	95,110	96,002	97,161	98,525	100,000
055	94,197	94,215	94,341	94,666	95,251	96,117	97,243	98,568	100,000
056	94,367	94,385	94,507	94,822	95,390	96,231	97,324	98,610	100,000
057	94,534	94,551	94,670	94,976	95,527	96,343	97,403	98,651	100,000
058	94,698	94,715	94,830	95,127	95,662	96,453	97,481	98,692	100,000
059	94,860	94,877	94,988	95,276	95,794	96,561	97,558	98,732	100,000
060	95,020	95,036	95,144	95,423	95,925	96,668	97,634	98,771	100,000
061	95,177	95,193	95,297	95,567	96,054	96,773	97,709	98,810	100,000
062	95,332	95,347	95,448	95,710	96,180	96,877	97,782	98,848	100,000
063	95,485	95,499	95,597	95,850	96,305	96,979	97,855	98,886	100,000
064	95,635	95,649	95,744	95,988	96,428	97,080	97,926	98,923	100,000
065	95,784	95,797	95,889	96,125	96,550	97,179	97,997	98,959	100,000
066	95,930	95,943	96,031	96,259	96,670	97,277	98,066	98,996	100,000
067	96,074	96,087	96,172	96,392	96,788	97,373	98,135	99,031	100,000
068	96,217	96,229	96,311	96,523	96,904	97,469	98,203	99,066	100,000
069	96,357	96,369	96,448	96,652	97,019	97,563	98,269	99,101	100,000
070	96,496	96,507	96,583	96,780	97,133	97,656	98,335	99,135	100,000
071	96,633	96,644	96,717	96,905	97,245	97,747	98,400	99,169	100,000
072	96,768	96,779	96,849	97,030	97,356	97,838	98,465	99,202	100,000
073	96,902	96,912	96,979	97,153	97,465	97,927	98,528	99,235	100,000
074	97,034	97,043	97,108	97,274	97,573	98,015	98,591	99,268	100,000
075	97,164	97,173	97,235	97,394	97,679	98,103	98,653	99,300	100,000
076	97,293	97,302	97,360	97,512	97,785	98,189	98,714	99,332	100,000
077	97,420	97,428	97,484	97,629	97,889	98,274	98,774	99,363	100,000
078	97,546	97,554	97,607	97,745	97,992	98,358	98,834	99,394	100,000
079	97,670	97,678	97,728	97,859	98,094	98,441	98,893	99,425	100,000
080	97,793	97,800	97,848	97,972	98,194	98,523	98,952	99,455	100,000
081	97,915	97,922	97,967	98,084	98,294	98,605	99,009	99,485	100,000
082	98,035	98,041	98,084	98,194	98,392	98,685	99,066	99,515	100,000
083	98,154	98,160	98,200	98,303	98,489	98,765	99,123	99,544	100,000
084	98,272	98,277	98,315	98,411	98,586	98,844	99,179	99,573	100,000
085	98,388	98,393	98,428	98,518	98,681	98,921	99,234	99,602	100,000
086	98,503	98,508	98,540	98,624	98,775	98,998	99,289	99,631	100,000
087	98,617	98,621	98,651	98,729	98,868	99,075	99,343	99,659	100,000
088	98,730	98,734	98,761	98,833	98,961	99,150	99,397	99,687	100,000
089	98,841	98,845	98,870	98,935	99,052	99,225	99,450	99,714	100,000
090	98,952	98,955	98,978	99,037	99,142	99,299	99,502	99,741	100,000
091	99,061	99,064	99,085	99,137	99,232	99,372	99,554	99,768	100,000
092	99,170	99,172	99,190	99,237	99,321	99,444	99,606	99,795	100,000
093	99,277	99,279	99,295	99,335	99,408	99,516	99,656	99,822	100,000
094	99,383	99,385	99,399	99,433	99,495	99,587	99,707	99,848	100,000
095	99,488	99,490	99,501	99,530	99,581	99,658	99,757	99,874	100,000
096	99,593	99,594	99,603	99,626	99,667	99,727	99,806	99,899	100,000
097	99,696	99,697	99,703	99,720	99,751	99,797	99,856	99,925	100,000
098	99,798	99,799	99,803	99,815	99,835	99,865	99,904	99,950	100,000
099	99,900	99,900	99,902	99,908	99,918	99,933	99,952	99,975	100,000
100	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000