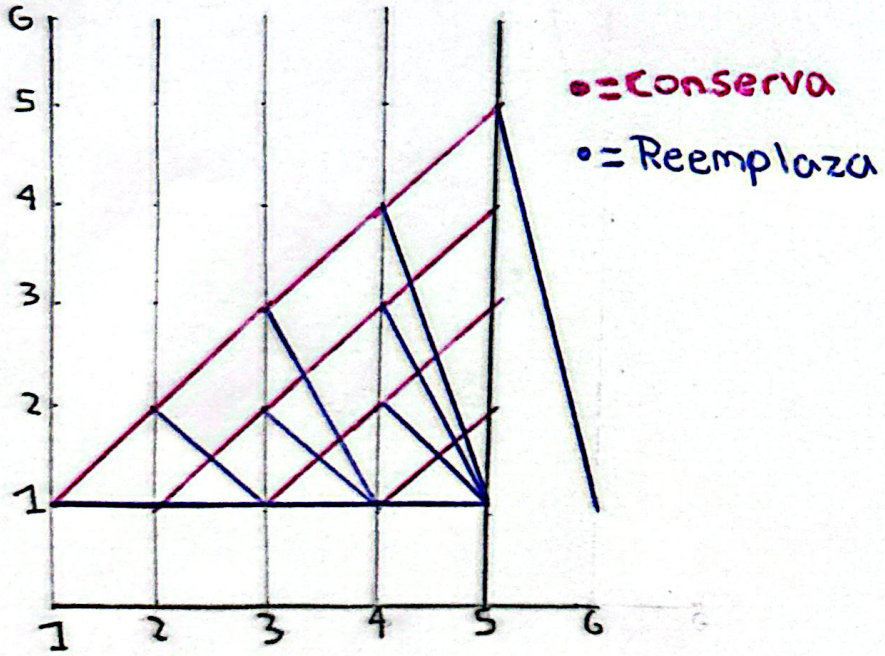
Ejercicio #4



t	Ingreso r(t)	Costo c(t)	V. Recuperación s(t)
0	20	0.2	- - -
1	19	0.6	80
2	18.5	1.2	60
3	17.2	1.5	50
4	15.5	1.7	30
5	14	1.8	10
6	12.2	2.2	5

Etapa 5: t=1,2,3,4,5 Filas

Etapa 4: t=1,2,3,4 Filas 2 3 4 5

Etapa 3: t=1,2,3 Filas 2 3 4

Etapa 2: t=1,2 Filas 2 3

Etapa 1: t=1 Filas 2

ETapa 5

C: r(t)+s(t+1)-c(t)

R: r(0)+s(t)+s(1)-c(0)-I

t	Conservar (c)	Reemplazar (R)	F5(t)	Decisión
1	19+60-0.6=78.4	20+80+80-0.2-105=74.8	78.4	C
2	18.5+50-1.2=67.3	20+60+80-0.2-105=54.8	67.3	C
3	17.2+30-1.5=45.7	20+50+80-0.2-105=44.8	45.7	C
4	15.5+10-1.7=23.8	20+30+80-0.2-105=24.8	24.8	R
5	14+5-1.8=17.2	20+10+80-0.2-105=4.8	17.2	C

Etapa 4

C: r(t)-c(t)+F5(t+1)

R: r(0)+s(t)-c(0)-I+F5(1)

t	Conservar (c)	Reemplazar (R)	F4(t)	Decisión
1	19-0.6+67.3=85.7	20+80-0.2-105+78.4=73.2	85.7	C
2	18.5-1.2+45.7=63	20+60-0.2-105+78.4=53.2	63	C
3	17-1.5+24.8=40.5	20+50-0.2-105+78.4=43.2	43.2	R
4	15.5-1.7+17.2=31	20+30-0.2-105+78.4=23.2	31	C

Etapa 3

C: r(t)-c(t)+F4(t+1)

R: r(0)+s(t)-c(0)-I+F4(1)

t	Conservar (c)	Reemplazar (R)	F3(t)	Decisión
1	19-0.6+63=81.4	20+80-0.2-105+85.7=80.5	81.4	C
2	18.5-1.2+43.2=60.5	20+60-0.2-105+85.7=60.5	60.5	C-R
3	17.2-1.5+31=46.7	20+50-0.2-105+85.7=50.5	50.5	R

Etapa 2

C: r(t) - c(t) + F3(t+1)

R: r(0) + s(t) - c(0) - I + F3(1)

t	Conservar (C)	Reemplazar (R)	F2(t)	Decisión
1	19 - 0.6 + 60.5 = 78.4	20 + 80 - 0.2 - 105 + 81.4 = 76.2	78.9	C
2	18.5 - 1.2 + 50.5 = 67.8	20 + 60 - 0.2 - 105 + 81.4 = 56.2	67.8	C

Etapa 1

C: r(t) - c(t) + F2(t+1)

R: r(0) + s(t) - c(0) - I + f2(1)

t	Conservar (C)	Reemplazar (R)	F1(t)	Decisión
1	19 - 0.6 + 67.8 = 86.2	20 + 80 - 0.2 - 105 + 78.4 = 73.7	86.2	C

T=1 → C(T=2) → C(T=3) → R(T=1) → C(T=2) → C(T=3)

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