X(K)	u(k)	X(k4) = X(k)+~(k)	J=90+V(x(K+1),K+1)	V= min J
X(3) 2.0 1.5 1.0 0.5				4.00 2.25 1.00 0.25 0.00
×(2)	u(2)	X3= X(2)+U(2)	$J = x(\lambda) + u(\lambda) + V(x(3),3)$	V(X(2), M2)
2.0	-0.5 0.0 0.5	1-5 2.0 2.5	(20)+(05)+(1.5) (20)+(00)+(2.0) 引信各种控制	v(2,-0,5)=6,5
1.5	-0.5 0.5	1 · 0 1 · 5 2 · 0	$(1-5)^{2} + (0-5)^{2} + (1-5)^{2}$ $(1-5)^{2} + (0-5)^{2} + (1-5)^{2}$ $(1-5)^{2} + (0-5)^{2} + (1-5)^{2}$	\((1.2'-02)=}'2
1 \ 0	-0\5 0\0 0\5		$(1.0)_{r} + (0.2)_{r} + (1.2)_{r}$ $(1.0)_{r} + (0.0)_{r} + (1.0)_{r}$ $(1.0)_{r} + (0.2)_{r} + (0.2)_{r}$	V(1,0,-05)=1,5
o 15	-0\5 0\0	0 - 0	$(0.7)^{2} + (0.5)^{2} + (1.0)^{2}$ $(0.7)^{2} + (0.0)^{2} + (0.0)^{2}$ $(0.7)^{2} + (0.7)^{2} + (0.0)^{2}$	V(0.5,-0.5)=0.5 V(0.5,0.0)=0.5
0.0	- 0.5 0.0 0.5	0.0	非為许依例 (のの上(のの) *+(のの) * (のの) *+(のよ) *+(のよ) *	V(0,0,0,0)=0,0

(2)

$$F: V^{CF} = J(Ff) + V(f) = 12 + 0 = 12$$

 $\phi(F) = f$

$$\hat{a} = V(G) = \min \left(J(GF) + V(F), J(Gf) + V(f) \right) = \min \left(8 + 12, 15 \right) = 15$$

G =
$$V(G) = min(J(GF) + V(F), J(Gf) + V(f)) = min(8+12,15) = 15$$

 $\psi(G) = f$

$$H = V(H) = min(J(HG) + V(G), J(Hf) + V(f)) = min(J(HG, 21)) = 21$$

 $\phi(H) = f$

$$C = V(C) = J(CF) + V(F) = 10 + 12 = 32$$

 $\Phi(C) = F$

E:
$$V(E) = \min \left(J(EG) + V(G), J(EH) + V(H) \right) = \min \left(17 + (5, 12 + 21) = 32 \right)$$

 $\Phi(E) = G$

X(k)	u(K)	X(k4) = X(K)+N(K)	J=90+V(x(K+1), K+1)	V=minJ
X(1)	u(()	Xν=X(1)+U(1)	J= x(1)+U(1)+V(x(2),2)	V(X(I),U(I))
2.0	-0.5 0.0 0.5	1-5 2.0 2.5	(2,0)+(0,5)+3,5 (2,0)+(0,0)+6,5 附谷和	V(5'-012)=5-12
1.5	-0.5 0.5	1. 0 1. 5 2.0	(1-5) ² +(0.0) ² +1.5 (1-5) ² +(0.0) ² +3.5 (1-5) ² +6.5	V(1.5,-0.5)=4
1.0	-0\5 0\0	1.0	$(1.0)_{5} + (0.2)_{5} + 3.7$ $(1.0)_{5} + (0.0)_{5} + 1.7$ $(1.0)_{5} + (0.2)_{5} + 0.7$	V(1,-0,5)=1-)2
0 15	-0\5 0\0	0-0	(0-2), +(0.2), +1-2 (0-2), +(0-0), +0.2 (0-2), +(0-2), +0.0	V(015,-05)=0-5
0.0	- 0.5 0.0	0.0	非窓片で的 (のの上(のの) + のの (のの) + のり	V(0,0,0,0)=0,0

((K)	u(K)	X(k4) = X(K)+~(K)	J=90+V(x(K+1),K+1)	V= min J
X (0)	u (0)	X 1 = X(0) +U(0)	J= x(0)+V(x(1),1)	V(X(0),U(0))
2.0	-0.5 0.0 0.5	1-5 2.0 2-5	(20)+(05)+4 (20)+(00)+7.75 科客许论制	V(2.0,-05)=812
1.5	-0.5 0.5	1.0 1.5 2.0	(1-5) ² +(0.5) ² +1,75 (1-5) ² +(0.5) ² +7,75	V(1.5,-0.5)=4.45
1 \ 0	-0\5 0\0	1.0	$(1.0)^{2} + (0.5)^{2} + 0.5$ $(1.0)^{2} + (0.0)^{2} + 1.75$ $(1.0)^{3} + (0.5)^{4} + 0.5$	V(1,-0/2)=1-)2
o 15	-0\5 0\0	0.2	$(0.7)^{2} + (0.5)^{2} + (-7)^{2}$ $(0.7)^{2} + (0.0)^{2} + 0.7$ $(0.7)^{2} + (0.7)^{2} + 0.0$	V(0)5,-05)=0-5
0.0	- 0 · 5	0.0	非海洋で物 (0、0)+(0、0) + 0、0 (0、0)+(0、5) + から	V(0,0,0,0)=0,0

$$D = V(D) = min \left(J(DC) + V(C), J(DF) + V(F), J(DG) + V(G) + J(DE) + V(E) \right) = min \left(10+32, 13+12, 19 + 15, 16+32 \right) = 34$$

$$\phi(D) = G$$

A=
$$V(A) = min(T(AC) + V(C), T(AD) + V(D), T(AB) + V(B)) = min(12+32, 11+34, 18+49) = 44$$

 $\phi(A) = C$

$$S = V(S) = \min(J(SA) + V(A), J(SB) + V(B)) = \min(VO + WH, IS + 49) = 64$$

$$\phi(S) = A\vec{x}B$$