## Exercise 4

## **Answers**

Annewhere Liching Complete Exercise 4  1. Very (B) = 1  2. Very (B) = 1  3. Very (B) = 1  5. Very (B) = 1  5. Very (B) = 1  5. Very (B) = 1  6. Very (B) = 1  6		Phoners No.		
1. VK+1(B)=1 -1 V(C) VK+(C) VK+(C)  2. VK+1(B)=1 -1 B O -1 CK+1-(D) V M  3. VK+1(D)=1 -1 B O -1  4. VK+1(D)=1 -1 B O -1  5. VK+1(D)=1 -1 B O -1  5. VK+1(D)=1 -1 B O -1  6. VK+1(D)=1 -1 B O -1  6. VK+1(D)=1 -1 B O -1  6. VK+1(D)=1 -1 B O -1  7. A -1 -1 O -1  8. O -1  9. O -	Contil	-xercise 4		
2 Nx + (B) = 7  3 Nx + (C) = 7 - 1  4 vx + (C) = 7 - 1  5 vx + (C) = 7 - 1  6 vx + (C) = 7 - 1  7 vx + (C)	HIMON GALETON	1/k+1(s) Vk+2(s)		
2 ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	14 11 1	(30. V (K) ====		
S. Vikt (D) = 1  4. Vikt (E) = 7  5. Vikt (P) = 7  6. Vikt (H) = 7  1	2.V**1(B)=! - A ()	- 25 K- (1) 1 1 1		
4 VAHICE 27   5. VAHICE 27   6	3.Vk+1(D)=! -1	16		
3. VR+1(+)=?-1  FO  FI  FO  FO	4 VX+1(F)=1-1			
71 -1 0  11 -1 -1 0  11 -1 -1 0  11 -1 -1 0  11 -1 -1 0  11 -1 -1 0  11 -1 -1 0  11 -1 -1 0  11 -1 -1 0  11 -1 -1 0  11 -1 -1 0  11 -1 -1 0  11 -1 -1 0  11 -1 -1 0  11 -1 -1 0  11 0  11 0	J. VX+1(+)=!-			
7. 1 -10  1. 1 -10  1. 1 -10		-1 3-1-WW.Ph		
D-1 E-1 F-1  60 H-10  Step 2 (Stetle A)  ( qx+1 (Axbett)=?-2 == (Dtrink 3 qr(F, Up)=?+1  ( Axbett 4 D D D D D D D D D D D D D D D D D D		45.94 (ALA): URA STAPRICHE CITS		
Step 2 (Stepte A) & (D) mora 30; gi (F) (D) = 9; H (P) (P) = 10; H (P)				
Step 2 (Stette A) & (D) mora 30; g. (F) (D) = 1.41  8. 9x +1 (A, K, E+T) = ? -2	60 4-170 1-20	+1/29a, (BROH)=2-2: (+/+) x0 JP		
R. Get (Ab Ett) =? -2	(tre 2 (Stette A) & (C) M	10(30.a, (F, Ue)=1/1		
N. qx+1 ( h, Ny) -? -2 2.	8. 9x+ (ALEFT)=?-2 6=(D)+	13 3 a 1/15 ( A OWN) = 7+1 (A ( ) 6 (P)		
	9. axti(A, Right) = ? -2 = (A) A	32.TT. (F)=ANDIDOWN)		
	Nax+1 (AUx) -? -2 3.5-=(7)			
State 8  13. q; (B; teft) = ??  14. q; (B; kight) = ? -1  15. q; (B; Vp) = ?-2  15. q; (B; Vp) = ?-2  17. q; (D; kight) = ?-2  19. q; (D; kight) = ?-2  20. q; (E; kight) = ?-2	11 gray (A Bown) =? =2 21-=(+1)			
3. q; (B, tet+) = ?	16 Fre (A) = 7 (Va down IPH cont)	tother (H. Koht) = 1 - 1 - 1 - 1 - 1 - 1 - 1		
13. q ( B, kght) = ? -!		65 0 (H 10)=1-2		
14. G (B, Rght) = ? -1  15. g (B, Vp) = ?-2  16. g (B, Vp) = ?-2  17. T (B) = ? Right  Starte D  18. g (D, Rght) = -2  19. g (D, Rght) = -1  20. g (D, Rght) = -1  21. g (D) = ? Down  Starte E  23. g (E, Lett) = ? -2  26. Q (E, Dan) = -2		attack down = 11-72 (A)+ + 10		
15. q. (B, Vp) = 1-2  16. q. (Ddown) = ? -2  17. TI (B) = ? Right  Starte D  18. q. (D, Rght) = -2  19. q. (D, Rght) = -2  19. q. (D, Down) = -1  20. q. (D, Down) = -1  20. q. (E, Lett) = ? -2  20. q. (E, Down) = ?  20. q. (E, Lett) = ? -2  20. q. (E, Down) = ?  20. q. (E, Lett) = ? -2  20. q. (E, Down) = ?  20. q. (E, Down) = ?	14. G1 (B, Right) = 2-1 2.1- = (H)	37. tt. (1)=1 (Left Right)		
16. q. (Ddown) =?-2  17 TJ. (B) =? Right  Starte D  18. q. (D, (Eft) = 7  19. q. (D, Nght) = -2  10. q. (D, Down) = -1  11. q. (D) =? Down  Starte E  23. q. (E, Lett) =?-7  26. Q. (E, Down) =??	15.9, (B, VW) =1-2			
State D  18.q. (D, (eft) = 2  19.q. (D, Roht) = -2  10.q. (D, Noht) = -1  11.q. (D, Dawn) = -1  12. q. (D, 2. ann) = -1  23.q. (E, Lett) = ? -2  26.Q. (E, Dam) = -2  23.q. (E, Lett) = ? -2  26.Q. (E, Dam) = -2	16.9. (Adown) = ? - 2	1 1 1 1 1 1 1 1 1		
State D  18.9, (D, (eft) = 2  19.9, (D, Sght) = -2  10.9, (D, Up) = -2  10.9, (D, Dam) = -1  20.9, (D, 20m) = -1  20.9, (D, 20m) = -1  20.9, (E, Lett) = 7 - 2  20.9, (E, Dam) = -2	17 J (B) = ? Right	(med) - (m) - EE		
18. q, (D, (eft) = 2  19. q, (D, Right) = -2  10. q, (D, Up) = -2  11. q, (D, Down) = -1  11. q, (D) = ? Down  State E  22. q, (E, Left) = ? -2  26. Q, (E, Down) = ?				
19. q. (D, Roht) = -2  10. q. (D, Up) = -2  11. q. (D, Dam) = -1  21. q. (D) = ? Down  S37 to E  23. q. (E, Lett) = ? -2  26. Q. (E, Down) = ?	18.9, (D, Left) = -2			
20 q (D, Up) = -2  11 q (D, Up) = -1  21 ty (D) = ? Down  33 to E  23 q (E, Lett) = ? -2  26 Q (E, Down) = ? 2				
11. q.(0), ann) = -1 21 ty (D) = ? Down  State =  23. q.(E, lett) = ? -2  26. q.(F, Down) = ? 2				
27 ty (D) = ? Down 0 21-10 S3mte E 23. q. (E, Lett) = ? -2 26. Q. (F, Down) = ? -2		2 5- 4.1-		
33 g.(E, Lett) = ? -2 26.Q1 (F, Darn) = ? 2				
10 ( 01)				
19 (E/Right) 17 - 27. (F) = 7 (Vn deal of Vient)				
15. g.(E, Up) ?? -2	->- (1(E)Vp)=1-L	THE RESERVE TO BE STORY		

	Answers	NO:
4	HOW COPPER EXCERS	TO THE WAY
	(4)44V (4)4V	1-1-(a) 177V.
39. V+(A)=2	- 1- 0 & O	1- t=(3)1+xV.P
40 V*(0)=4.75	70	T-1: (4) 1+ \$V.C
91. Vx (D)=-1.75	1 0 3	6 V++1 (H)=1-1
42. V2 (E) -1	1-04	
44. V* (A)=-1.5	T- 0 H	0
TIE A. A. L. LINES TO THE STATE OF THE PARTY	1=-275	0 1- 1- t
Lett (A)=3 (Right	H(B)F. F2,75	
AL ( ) A ) · LEAT (A) =	3 KI9ht 201-1	01-4 03
Up (B)	23 Pown (E)-3	Step 2 (Stepher)
(D) (DIA) , leff(M)=A	1-15 KINITE)=-3	(.UXH (ALEFT)=1-L
MPCANA	3) M. Down CG) =-1	J- ! = (+)(A) A) ++ (D)
1100 (CID) 1 (CI (M) = 2	75 TI KIGHT (+)=-100	M-4+1 (4) 4) -1 -2
		1. Tet ( W Bran) = 1 -5
(4) (5) (8) (8) (1) = 10	H KIGHT LT) (THE LAS)	16 First (A) = 7 (Vic down)
		States
Short (HIA) (ett (6)=	+1 + Right (L) =-1	13. 9; (B. tett) = 7.
= = (3) & URUMT)	3+1 Down (+1)=-1.5	M. Q. (C), Right) = ? -1
51, the (A) = ERGAT, DOWN)	38.	15-91 (B, Vp) =1-1
52 to (B) = ( Rynt)	= 111	(6.9, (Bdom) = ? - 2
53. H* (D) - ( Varn)		17 (B) = ! Kight
54 TT * (E)= (Rynt) Carm)		CHAK D
55 ti * UP= (Up Down)	V V	5 = (tha) (1) p. 81
56. TI * CHD= CLEFT, Right	0	5- = (+1) (1) (1) (1) (1)
57.1-2 1-1.25 1	38/1	J-= (W, a) par
-1.75 -2 -1.5	I WITH	11. a. (i) . a. (i) . a. (i) . a. (ii) . a. (ii)
0 1-15 0	1	DITTO STATE
	7	
	6. a. (E man) = 2	May Exhibited - 2
(1.3.19	1 1 1 1 2 7 1 74 4	

## **Solutions**

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Solution
Agron Edwich L Ching Comzz
V++ (+) = = [(1 +0) + (-1+0) + (-1+0)]
 2. VRH (0) = {[(1+ V(0))+ (++ V(6))+ (++ V(6))+ (+1+ V(A))]
   VHI(B) = { (61+0) + (-1+0) + (-1+0) + (-1+0)
     VK+1(0) = -1
 3 VAH (D) = = [(-1+V(A)) + (-1+V(D)) + (-1+V(D))]
     VK+1 (0) = + [(-1 to) + (-1 to) + (-1 to) + (-1 to) - (-1 to) - (-1 to) + (-1 to) - (-
     VK+1 (0) = -1
  4/ V + (E) = $ [(-1+VO)] + (-1+VO)) + (-1+VOF)) + (-1+VOF))
      VHI (1)= + ((-1+0) + (-1+0) + (-1+0)) (-1+0)]
     VKH1 (E) = -
 5. VAH (F) = 4 [(-1 +V(E)) + (-1 +V(C)) + (-4 +V(F)) + (-4 +V(F))]
     V41(F)={[(1+0)+(1+0)+(1+0)]
     VX+1 (F) =-1
6. VKHI (H) = $ [(-1 +1/(E)) + (1+V(E)) + (++V(G)) + (-1+V(H))
      V KH (H) = & [(-1+0) + (-1+0)+(-1+0)]
      V k+1 (H) =-1
     8. 9. +1 (A, Left) = - 1 +V(A), -1 +(-1), = -2
     9. gittl (A, Kght) - H + U(b), + +(1), + -1
                                                                                                                                                                    (1) *V.14
       10 gran (A, Vp) = -1+V(A),-1+(1),=-2
       11. g,++1 (A, down) = -1 + U(D) + +(4), = -2
         12 tr +1 (A) = 4 R 4D
         13 gk+1 (B, LOH) = -1 + WA), -1 + (1) = -2
         14.g. KH (B, Ryht) = - 1 + VCC), -1 + (0) = -1
         15.9, K+1 (D, Up) = -1 + (JCB), -1 +(-1) = +2
           16.9, HI (Bdown) = -1 +V(E), -1 +C-1) = -2
                                                                                                                            22 TKH (D) = down
            17. TT xx (B)= (Bight)
            18. q + (1) (ett) = 71 + V(D), -1+(-1)=-2
              19. g+4 (D, up) = -1 + (M(A), -1 + (+) = -2.
20. g+4 (D, down) = -1 + V(G), -1 +(0) = -1
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13. gfm (E, LCA) = -1+V(D), -1+(L) = -2 14. gfm (E, Rym) = 1-1+V(E) + +(L) = -2 25. gfm (E, Va) = -1+V(E) + +(-1) = -2 25. gfm (E, Va) = -1+V(E) -1+(L) = -2 25. gfm (E, Va) = -1+V(E) -1+(L) = -2 25. gfm (E, Va) = -1+V(E) -1+(E) = -2 25. gfm (E, Va) = -1+V(E) -1+(E) = -2 25. gfm (E, Va) = -1+V(E) -1+(E) = -2 25. gfm (E, Va) = -1+V(E) -1+(E) = -2 25. gfm (E, Va) = -1+V(E) -1+(E) = -2 25. gfm (E, Va) = -1+V(E) -1+(E) = -2 25. gfm (E, Va) = -1+V(E) -1+(E) = -2 25. gfm (E, Va) = -1+V(E) -1+(E) = -2 25. gfm (E, Va) = -1+V(E) -1+(E) = -2 25. gfm (E, Va) = -1+V(E) -1+(E) = -2 25. gfm (E, Va) = -1+V(E) = -2 25. gfm (E, Va) = -1+V(E) = -2 25. gfm (E, Va) = -2 25. gf 3 V++1 (D) V++1 (D) V++1 (D) 32 THO (F) - 40 35 g to (th) up =-1+v(t), -1+(1)=-2 36 g to (th) (m) = +1+v(t), -1+(1)=-2 37. Then (H)= (ett, Right 1) + (0+1) + (0+1)+(0+ \$ [(-1-1)+(-1+0)+(-1-1)) -1.75 41. v\* (D) = 4 [C1-1)+(2-1)+(2++0)+(2+1)] -1.75 42. VA (B) = 4 (C-1-1) + (-1-1)+(-1+1)+(-1-1))] 43.V\*(F) = [CG-1-1)+(-1+0)+(-1+0)] =- 1 +v (A) 45. Q\* (A) A) FIPT TYCA) 1-1 +11(1) 75) 1-(2) 4+1-+V(B) 1+(-1) -275 -1+ (P) (-2) 1-14(Z) = - - 3 Right

No:
Acros Flower Lachus CAM221 KNUHAR PL ADATE:
things (B) A) = lot on up the more of the species
= + + ((1) + + + (1) = + + (1) = + + + + + + + + + + + + + + + + + +
=-1+(-1)+1-1+(-1.75)0+1-1
hight much pour title
=-   +V(C)  1 +V(C) V  -
-140) 11+(2)+1- =-1-==-3 1-=
47. 9* (DIA) = Left Up
= -1 + (40) -1 + V(4) $= -1 + G1.75) -1 + G2$
=-1+(1)+(1) -(+(1))
Kyht Down
=-1 +V(E) -1 +V(G)
-1+(-2) $-1+(0)$
=-3 =-1 48.9* (EIA) = Lett Up
-1 + v(D) -1 + v(B)
-1+(-1,75) -1+(-1.75)
=-1.75 =-175
Right Down -1 + V(F) -1 + V(H)
- 1 + V(F) - 1 + V(H)
2-25
49.9* (FIA) = Left Up
-1+V(D) -1+V(D) -1+(-1) -1+(0)
=-7 =-7
Right Down
-1+V(F) -1+V(I)
-1+(-1.5) -1+(0) =2.5 =-1