1. Sems

For jocal Serns jue controleata personaje. Hai sa rimelam spailatel farfurillar Pers. se aflai entr-a inconjerata de perett negre Corciosell repret. farfeire, semiliera de pe pot (8,4) este chieveter, ins postratele negre sent pereti sur alte abstacale care trebuis acolite. Saquel e sei colleca toute forfusiele la chivella.

Limitale:

· Pers. parte sola maxem F farfurie

· - 1, - poste pass'en orlicare den ale 8 carrelle vecame por. sale, dar door daoi pe acea por nu si aflet niciun obstacel.

· Fercare pas foicut pe limie seu cologna coster 1 pct, de

energie. Fercare par facut pe diag costa 1,5 pete.

· Farfersia si chienveta nei rent olesta cole. Pt. a suoli ca a farfeerer trebeuil sa intre en celeba en coure se afla! Pt. a debarasa farfeviile in chiterette, trebuie sa intre en cel. chiuvetei. Nu se conserna energie en plus.

NPF = vor farfurii en brate st. curentai

RC = rand chieveta

(RP, CP) = (rand pers, col pers.)

AF = rand farfurio cea more aproprotos (dest. Moshattan)

Ex. harta 20 mr coloane (0-19), 10 linii (0-9)

loc-farfurii = {(3,5), (2,15), (2,16), (4,14), (4,1), (6,10), (8,2) divocta = (8,4)

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1. Pt. exemple, pers se afla la (1,1) O stare manorala (RP, CP, NPF, l_coord - parfevui neculeu) a) cel mou move no. de fei pe core il poate avec un mad e x le)

-11 d) -11 - 1

e) -11- 8

f) &

2. Pt. NFR = 0 consideraim val. Opt eversteale de mai j'es. Pt. NTR70, ce urestiei sunt admisubule ? a) suma dist. Manhattan de la felcure purfevrer la cezirea (cea mou apropiata de cheineta) din camera en care re sepla le) sumai dist. Manhatton de la fercaire parfeire la chievati c) ____ enclictreme _//d) ver ell farfevier monte neaderate (NFR) e) ela mai mica dist enclidiosa dintere 2 farfurii neculare sere o daca NTRIN 3. Fil extimatile (our garantat admissibiles): h, (stare) = SIRP-RT) pt NPFZF [IRP-RC] pt NPF=F sau NFR=0 Pt exemple, per parneste son (8,4); F=3. Cat va fi & pe por farfurier de la coord (4,1), cand radel coresp. e prima dola introdus in OPEN? a)3 D)0 e)4,5 d)3,5 e)5 f)0 4. Pt. exemple, pers. pornegte elem (1,1). Consideram ensistes by de moi sies si F = 3. Care va le prima ordene de ademare a farfeireiler, returnata de A* pt a avea un cest montion de energie ? a)(8,2),(4,1)(6,10)(3,5)(15,2)(16,2)(14,4) D)(3,5)(6,10)(2,15)(2,16)(4,14)(8,2)(4,1) c) (15,2) (14,4) (16,2) (4,1) (6,10) (3,5) (8,2) d)(6,10)(3,5)(2,15)(2,16)(4,14)(8,2)(4,1) e)(6,10)(3,5)(2,15)(4,1)(2,16)(4,14)(8,2) f)\$ 5. Fil hi | hz (stove) = NPF, h3 (stove) =1, hq(stove) =0 Atunte (At (+ example de barte): a) hy imadrais &) liz consistenta c) liz imadrais ed) his inadmis e) The admis 6 Fee enrestearle de moi sus. Care sunt admissibile (+ exemple de hartai)? c) h3/2d) h2 *0.3 e)3*hz a) hi+hz Q) hi+hz 4)0

2. Youl 4-piece

good 7x7, eniteal gal yell MAX (calculatored) are piece albe si incepe blin caltul (0,0).

Juc MiN (exteleratorul) dere piere regre zi emespe slin

(6,6). All incept jocul.

Tura enui juccitor ou 2 activni

« Dace por init a juc curent e l'élètra, pe en apare automent à noud piesa al culoures acestina.

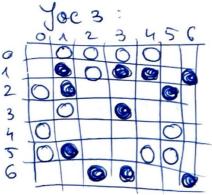
· Indéférent de étaturel por init., jue voi poute mutarice piera ell pe tabler un vor. 16x66 de por. pe un singer sand sou cologna. Comentage este valide daca piesa nu iere de pe toubla si neu 1-air suprapura in necesar moment al mesecirii cu alter piesa existentai Femal j'ac:

· Un j'ele eastiga in mon. en care are a secre de monem 4 piese prepri consecutive adeacente pe exice rand seen calaina elle enteriored gradulii. Ca except se daca toate presele secre, sunt pe pruma sau ultimer lenie/coloana, secre, nu este consignitaire.

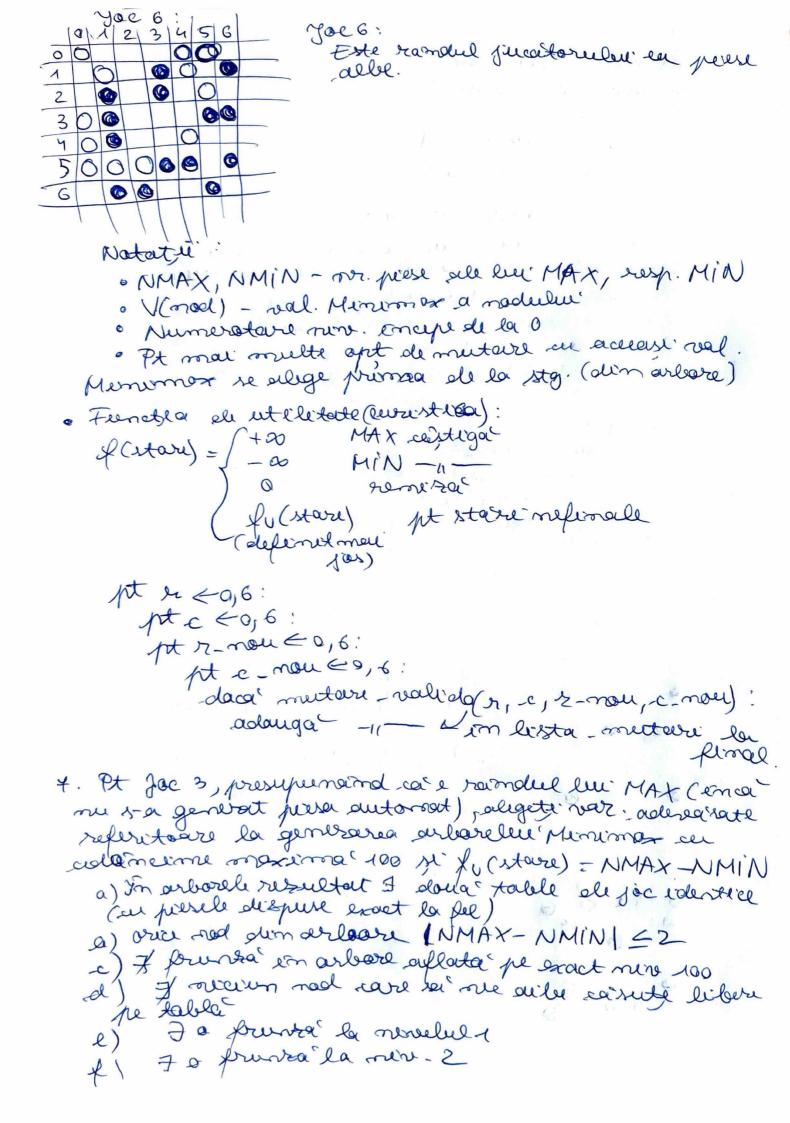
. Daca un jucator nu aux mudéri valiell disposible la incipeter rundeir sale j'acul se termina se se

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presa de la (3,2) se poste muta la (4,2), (2,2), (3,1), (3,3), (4,2) nu se parte muta la: (0,2), (3,0), (3,4), (3,5), (3,6)(5,2)(6,2)



J&C .3: Ness e stare cartigatoare pt. allo-configuration e pe romalul o, varie margement mothères nu poste reprez stare de castly.



8. Fre Jacopt Minimor en adamaine morima 1. fu (store) = LMAX (3) - LMIN (3) ende LMAX (n) = mr grupure all 4 celule endra cente in lant pl acceasi linsel/coloanai, in earse In piere ale lui MAX, rustall firmal goods, eare LMIN(n) eyer ac calcul den perspectivea lau MIN. MAX va alege muterea: a)(4,4) ->(4,5) $\&)(3,5) \rightarrow (5,5)$ $(0,0) \rightarrow (0,1)$ d) (a,0) -> (0,3) e) Nr de nodhere de pe nere 1 este 29 g. Fil st. den Joc 6 Alpha-Beta en adamame mozeno 2 st fl (store) = NMAX- NMIN a) Vou prema jada e de lesgime? e) Fun fru al raid en V(fin)=+20 c) = -1d) De nine 2, Fren mod ou V(mod)=-1 V(-new) = -00 Val joeulle e 0 a). A) -11- e +20 c) -11 - 20 d) I a frunta' nevoteradai ou (frunta') = 700 e) = -11-1, V(funta)=1 11. Fix yee 6 en Alpha-Beta adeincime moremas 16m red. alpha = - 20 se' leta = +20) Lo: of multimes st. refinale 3 12 * varecore fire at In comparadie en prende-coolel: a) c_nold de la 6 spre o, non obt, en mr. total mal'
mie de nodere en arbore le) c_nou de la 6 spre 0, - " - mou moire

d) er de la 6 spre 0,	man. mare
X) X	
3. Aria	
Vivit to Asia 99.0% 49.5% 1.0% True Folie Has Tuberculosis 99.0%	Smobaler 500% 50.0%. The Follow Has Zwag Cancer 34.5% 5.5% The Thirty
0.0% 1.0%	Trul False
Drue False	Has Brondreiters
Julierculosis or Concer	45.0% E5.0%
6.5% Jalse 7alse	13.6% 56.4%
X Ray Perult 89.0%. M. 0% Normal	True False
Alerania	Smoker
Visit to Area	
	V Has
flas Tellerculose	e Has Lung Concer Branch
Tuberculous or concer	
XRoy Presult	Dyspnea

12. Froyporen og Tuleviculases ar Canal - Trul. com se modèfice probe en flor Tuber culosis sei fice True rapartoit la ac stare doca aplan celterior ca Har Lung Concer = True? a) P (Hors Tuberculoses = True) scade b) -1- veste c) -1- nu u modifica feinden vour sustimblepolete d) Prole nu u pot modifice pe leaser eloversilor 13. Coure e subsetul minim de nodeure eure de separa smother si bysprea? a) (Tare) D) (Tare, HB) c) (HLC, Terc, HB) d) SHLC stor C, HB, XRoy 9 2) of Asia, HT, HLC, Tor C, HB, XRay b 14. Alegets nodwall de course e condité onatai prob. din nadul Tuberculoses or concer a) S S 3 &) THLC 3 -c) (HB3 d) (Virit Asiga e) of they results } f) of 5. Considerati reteama formata doar den HLC, S, HB-Tabelle inferente a) p(HLC=True | S=False)=0.99 p(HLC=True | S= True)=0.9 &) p(HLC = True 15 - Felse) = 0.01 MCHLC=True (S=True)=0.1 c) of (HLC= Falle / S= Falle)=0.99 pCHLC= Falle / S= Prevé): 0.9 d) n(HLC =Talle (S = False) = 0.1 ACHCL= False (S= True)=0.9