Home	work #1 CS1156x
Q1:	(1) Learning VS Design - Design (we have distribution)
	2) Leaving VS Design - Leaving (search for H)
	3) Reinforced Learning.
35:	1) No pattern - there are algorithms
	&) Potential Patton
	3) "No pattom" - there are distributions
	(4) Potentral Patton
	P(bag 1 is chosen) = 2
23:	
	1 bog! P(bg2 B chosen)=5
	4
	band 2 black Publack bay 1 is choson
	bogo & black bay 1 is choson
	PC black (bag 2 o closen)
4	P CLINICE bago is dises.
DU	bag lis obsen black) = P(bagl is chosen 17 black)
F (Publack)
iges the	P (black 1 boy 1 is chose) P (boy 1 is chose)
	0.11.
	= 1×= = = = = = = = = = = = = = = = = =

Q4: Binomial: $C_{0}^{10}(0.45)^{10}(0.55)^{0}$: 3.405 x $|_{0}^{-4}$ Q5: 1-P(none of the samples have <math>D=0)

= $1-P(ahl of the samples have at least |_{red marbles})$ = $1-[1-P(ahl of the samples have no red marbles)]^{0}$ = $0.28863 = [-(1-P_{fm oop})^{1000} = [-(1-3.405x],^{4})^{100}$ I. I. D. R. V.

to ta Yu 14 fs X \$ () Ø Ø 0 0 0 0 U O X 0 D (3) X Ø W. 3 0 Q 0 ? Ø 仗 Ø X 0 Ø X 0 × X 7 X M X X

[a]	1×3+3×2+3×1+1×0=12
	1x3 + 3x2 +5x 1 +1x0 > 12
[c]	9 1x3+ (1+1+1) x2+ (1+11) x1+0
[l]	: same.
44	
	**
<u> </u>	•
and the same of th	