高级算法作业1

TRY 计算机科学与技术

1. Exercise 1.7(P18)

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A P(X=X1)=P(X=X2)=P(X=X3)=P(X=X4)=
$$\frac{1}{4}$$

The expected payoffs of the three possible actions are

 $\pi(a_1)=3x+\frac{1}{4}x3=1.5$
 $\pi(a_2)=3x+\frac{1}{4}x3=1.5$

So the optimal actions are $\pi(a_1)=3x+\frac{1}{4}x3=1.5$

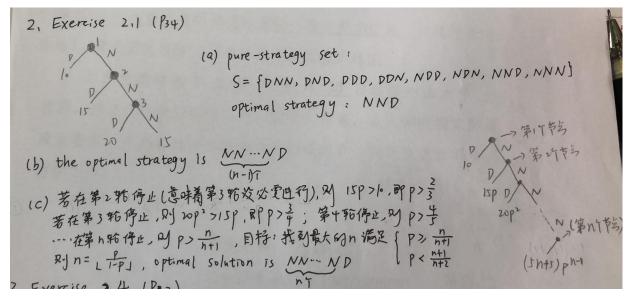
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2. Exercise 2.1(P34)



3. Exercise 2.4(P42)

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"C"for "Care" "H" for "High"—Nale I
"D" for "Don't care" "M" for "Medium" —Male 2
"L" for "Low"— Male 3
"L" for "Low"— Male 1
"L" for "High"—Nale I
"M" for "High"—Nale I
"L" for "Low"— Male 3
"L"