1. C. 2, A 3. C

$$A = \begin{bmatrix} \frac{1}{3} & \frac{1}{3} & \frac{1}{3} \\ \frac{1}{3} & \frac{1}{3} & \frac{1}{3} \\ \frac{1}{3} & \frac{1}{3} & \frac{1}{3} \end{bmatrix} \quad B = \begin{bmatrix} \frac{1}{3} & \frac{1}{3} \\ \frac{3}{4} & \frac{1}{4} \\ \frac{1}{4} & \frac{3}{4} \end{bmatrix} \quad \lambda = \int_{A}^{A} A B, \pi$$

$$S_{2}(1) = \max\{\frac{1}{6} \times \frac{1}{3}, \frac{1}{4} \times \frac{1}{3}, \frac{1}{12} \times \frac{1}{3}\} \times \frac{1}{3} = \frac{1}{24} \cdot \frac{1}{2}(1) = 2$$

$$S_{2}(2) = \frac{1}{12} \times \frac{2}{4} = \frac{1}{16} \cdot \frac{1}{2}(2) = 2$$

$$S_2(3) = \frac{1}{12} \times \frac{1}{4} = \frac{1}{48} \cdot \frac{1}{42} \cdot \frac$$

$$3_{3}(1) = \frac{1}{3} \times \frac{1}{16} \times \frac{1}{2} = \frac{1}{96} , \forall_{3}(1) = 2.$$

$$\xi \varphi(1) = \overline{\frac{1}{6\nu} x_3^{\perp} x_2^{\perp}} = \frac{1}{38\nu}, \psi_{\varphi}(1) = 3$$

$$S_{5}(1) = \frac{1}{3} \times \frac{1}{256} \times \frac{1}{2}$$
, $(f_{5})=\frac{1}{3}$
 $S_{5}(2) = \frac{1}{3} \times \frac{1}{256} \times \frac{1}{4}$, $(f_{5}(3)=\frac{1}{3})$
 $S_{5}(3) = \frac{1}{3} \times \frac{1}{256} \times \frac{1}{4}$, $(f_{5}(3)=\frac{1}{3})$

··展信部局 {BOXZ, BOXZ, BOX3, BOX3, BOX3, BOX3,

28f、由于各盆的独立, 成设问题实际2为础区 排取问题,因此使用食后找出各次各盆2到 珍状态最大概率选择金2批行. 最佳房到 to {BOX2, BOX2, BOX3, BOX3, BOX3}

$$B = \begin{bmatrix} 0.4 & 0.1 & 0.2 & 0.3 & 0 & 0 \\ 0.4 & 0.1 & 0.1 & 0.4 & 0 & 0 \\ 0.2 & 0.3 & 0.3 & 0.2 & 0 & 0 \\ 0.1 & 0.4 & 0.4 & 0.1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 & 0 \end{bmatrix}$$

双沉湾引为 [begin, A, G, T. T, end]

2) t=1 时, M=begin, 且有:

 $\alpha_{i}(1) = \pi_{i}b_{i}(x_{i}) = | \alpha_{i}(2) = \alpha_{i}(3) = \alpha_{i}(4) = \alpha_{i}(5) = \alpha_{i}(6) = 0$

当t=2,有. N2=A, a2[]= bg(A) 是a(j a)(i)

 $|Y| \propto_{2}(1)=0, \ d_{2}(2)=0.2, \ d_{2}(3)=0.2, \ d_{2}(4)=d_{2}(5)=d_{2}(6)=0.$

t=3 18: 13=6, 04(j)= bj(6)[\$ aij (2)]

1 2,(1)=0, 2,(2)=2008, 3,(3)=0.016, 3,(4)=0.048 Q; (5)=0,016 of (6)=0.

门程:当七二4月;

N1-6 = [0, 0.00048, 0.00512, 0.00512, 0.00048, 0]

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きなかが:
   Q mb = [0, 0,0000288, 0,00164, 0,000486, 0.000107,0]
当长6时!
  Q1-6=[0,0,0,0,0,0,0,0,0,0,0,0,0,388]
技 P(0 | X) = 0.000388.
(2) /30 0 = { begin, T, A, T. A, end }.
 当十一. X1=begin. 如 V1=[1,0,0,0,0,0]
                 Y_{1} = [0, 0, 0, 0, 0, 0]
当长2、X2=丁、别有: V2=[0,0.15,0.2,0,0]
                 Y_2 = [1, 1, 1, 1, 1, 1]
当十3. X= A:
      V3 = [0, 0,012, 0,064, 0.024, 0,004, 0]
      \frac{1}{13} = [1, 2, ], 2, 3, 1]
当+=4. X4=T:
      Vq=[0,0,0072,0,02048,0.00192,0,00128,0]
      Y_{4} = [1, 2, 3, 2, 3, 4]
またら、Xr=ア:
     V5=[0, 1.76×10, 0.0065536, 0.000136, 0.0004096, 0]
     Yr=[1, 2, 3, 4, 3, 5]
$ t= 6. X6= end:
     V6 = [0,0,0,0,0,0,0,00036864]
     76=[1,2,3,4,3, 5]
 松最佳度引力: {0,2,2,2,4.5).
        极年记者: 0,00036864
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