Jema

5.

 A_{K} = evenimentul în care câstigă parnind cu K unitați monetare $P(A_{K}) = probabilitatea câstigului => Lecauta <math>P(A_{K}^{c})$.

K=0 => P (A0) = 0

1 = (M4) & (= N=X

 $K = \Lambda = 1 P(A_1) = P(H) = P(T) = \frac{1}{2}$, $D = \{H, T\}$

 $R = 2 = 2 - 2 = \begin{cases} HH, HT, TH, TT \end{cases}$ $P(A_2) = \frac{1}{4} = P(HH)$ $P(TT) = \frac{1}{4}$

K=K =) $P(H) = \frac{1}{aK}$ $P(T) = \frac{1}{aK} = P(H)$

Pierdere constanta - dupa karuncari cu banul, reditin TT.-T

 $P(\tau) = \frac{1}{2K}$

Costig constant - dupà k aruncari cu barul re obtin HH ... H de Kori

$$P(H) = \frac{1}{2(N+c)}$$

Probabilitates decasting $P(A) = \frac{P(A)}{P(A)} = \frac{P(A)}{P(A)$

In saft I avern

$$S_{1} \left\{ \begin{array}{c} 0.8 \cdot P(S_{0}) = 0.8 \cdot \Delta = 0.8 \\ + \\ 0.4 \cdot P(S_{0}^{e}) = 0.8 \cdot 0 = 0 \end{array} \right\} = P(S_{1}) = 0.8$$

mous stra nt

$$S_{2} = \begin{cases} 0.8 \cdot P(S_{1}) = 0.8 \cdot 0.8 = 0.64 \\ + \\ 0.4 \cdot P(S_{1}^{c}) = 0.4 \cdot (1 - 0.8) = 0.44 \cdot 0.2 = 0.08 \end{cases} = P(S_{2}) = 0.72$$

In right 3 awarm

$$0,8 \cdot P(S_2) = 0,8 \cdot 0,72 = 0,576$$
 $0,4 \cdot P(S_2) = 0,4 \cdot (1-0,72) = 0,4 \cdot 0,28 = 0,112$

In right 4 awarm

In rapt 4 aven

$$S_{u} = 0.8 \cdot P(S_{3}) = 0.8 \cdot 0.688 = 0.550u$$

 $+ 0.4 \cdot P(S_{3}^{c}) = 0.4 \cdot (1 - 0.688) = 0.4 \cdot 0.312 = 0.1248$

In safet & aven

$$S_{6} = \begin{cases} 0.8 \cdot P(S_{4}) = 0.8 \cdot 0.6762 = 0.64 \\ + 0.4 \cdot P(S_{4}^{c}) = 0.4 \cdot 0.3248 = 0.12992 \end{cases} = P(S_{6}) = 0.669$$

In sapt 6 aven

$$S_6$$

$$\begin{array}{c}
0,8 & P(S_5) = 0,8 & 0,669 = 0,5352 \\
+ & 0,4 & P(S_5) = 0,4 & 0,331 = 0,1324
\end{array}$$

$$\begin{array}{c}
0,8 & P(S_5) = 0,8 & 0,669 = 0,5352 \\
+ & 0,4 & P(S_5) = 0,4 & 0,331 = 0,1324
\end{array}$$

In safet + aven

$$S_{\pm}$$

$$O, 8 \cdot P(S_6) = 0, 8 \cdot 0,6646 = 0,534$$

$$S_{\pm}$$

$$O, 4 \cdot P(S_6) = 0, 4 \cdot 0,3324 = 0,1329$$

$$= > P(S_{\pm}) = 0,6669$$

mous 8 tras ne

$$S_8 < 0,8 \cdot P(S_{\pm}) = 0,8 \cdot 0,6669 = 0,533$$
 => $P(S_8) = 0,6664$

In saint I awar

$$S_9$$

$$(S_8) = 0,8 \cdot 0,6667 = 0,53336$$

$$(S_9) = 0,4 \cdot 0,3336 = 0,13336$$

$$(S_9) = 0,66668$$

In soft 10 owen

$$S_{10} = 0.8 \cdot P(S_9) = 0.8 \cdot 0.666688 = 0.533344$$

 $S_{10} = 0.4 \cdot P(S_9) = 0.4 \cdot 0.33332 = 0.133328$

In sapt 11 avem