Hwwk 2 - cse 2

P-1) a - P(E=1 | A=

for numerator:

P(E=1) = 0.002

b) $P(E=1 \mid$

$= P(A=1 \mid B$

$P(B=$

$= 0.29 \times 0.$

den: $P(\Pi=1, J=$

All mall: $P(A=$

P 2.2

$P(D=0)=$

for $D=0$.

$K \geq 2$

$$f_k = \frac{1}{2^k + (-1)^k}$$

$$\frac{1^k}{2^k}$$

a) $6(2) \cdot 6$

$6'(2) = \frac{d}{d}$

d) $p_i = p($

i

$L(p_i) =$

Problem 2.4: Pud

+ Knowing Puddle:

① R ∦ F / P.

② S ∦ F / P.

(2) Knowing

Problem 2.8:

a) < b)

(I will atte

Problem 2.

1) $P(A|D)$

2) $S = \{$

$P(D \mid A, B, C)$

3) $P(D \mid A, B)$

marginalisation

c) P(G|

(1) because

E P

C

E ∥ F gi

G ∥ A, B