ALGUNAS SOLUCIONES SEGONDO PARCIAL 18/19

(2-) f(x)=fax+b, x∈(0,1)

24EX2 = 17EX.

Monteaurento Solución.

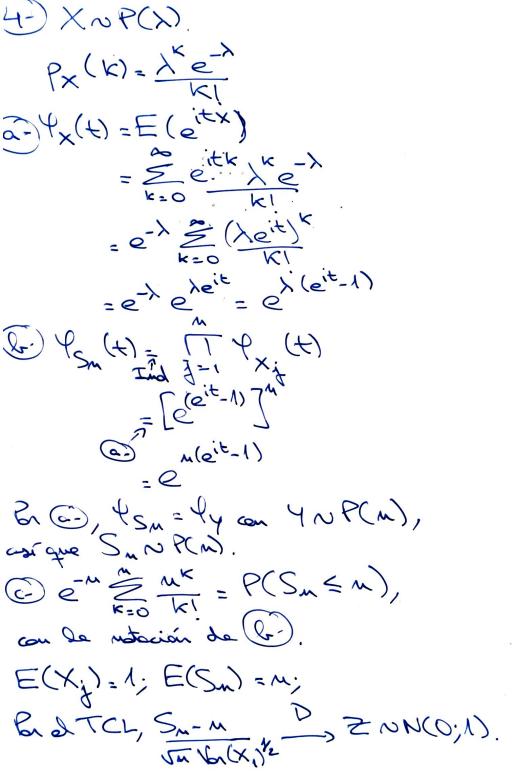
 $\begin{cases}
doucided & \Rightarrow 0 \\
f(x)dx = 1
\end{cases}$

(m) 1= ((ax+b)dx = (ax2+bx)) = ax + b.

24Ex2=17EX -> 24 / x2(ex+l)dx = 17/x(ex+l)dx.

Usende (M) y (MM) dospojer a y b.

3-) Titiompo transcursido dosdo que empogenos a jugar . oborit oraning obstlucar = 1× E(T) = = P(X,=k) E(T|X,=k) Regle dolla esperanza = P(X,=6).0+ \([K+E(T)].\frac{1}{6} 12+2E(L) &E(T)=15; E(T)=15



Por touto, lim P(Sm =m) =

 $= P(2 \le 0) = \frac{1}{2}$.

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(5-)
$$\times_i N \exp(X)$$
.

DEF(H) = P(Yn \in t)

= P(\text{max}(\times \in t) \in \text{mt})

= \text{ind}

= \text{TP(\times \in t)}

=

= 1, sit>0 Ym DO.

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