

RP15 & CH2 (
$$\frac{10}{47}$$
) = $\frac{10!}{4!6!}$ = $\frac{7.88.10}{24}$ = 210

1. M

2. 22 23

7. Hym 210. $\frac{1}{16}(\frac{1}{2})^6$ = $\frac{12.85}{64}$ 0. 12.75

2. 35 80 = $\frac{13.425}{64}$ + 0.4750

2. 15 85 | C,8825

A- nylesonorne resport aprevedofreg nympumen

$$P(A') = 0, 1175$$

 $P(A'|Z_A) = \frac{5\%}{0,1175} = 9425...$

$$\frac{10!}{1!(10-1)!} = \frac{10!}{8!} = \frac{91.10}{91} = 10$$

$$\frac{1}{8} = \frac{10!}{2!(10-2)!} = \frac{87.5.10}{2!87} = \frac{90}{2} = 48$$

300 S1x + St 81 + 081 = 03.70+ St. St. +008.80= =(219-(214)9+(219: (214)9+(219-(214)9=(4)9 P(A126)=0,1 8(415m)=028 P(A12,)=69 STO 60 Los tales such 1 8 8199

(In,5)9 = (4p-1) \$ (11,5)9=(71,5)9 20=p

Z- storadop. Zinstremus celle il struke T-10 zeller truf n cel

Stov Jus sidd

CH RPIS 5 h-furleye Z-zurkenn loseren 1.37 1p+q+r)=1 2.1 1(x) = [x] |x+31 2.3 FE(t)=1-e-48 dle +70 P(86(-8,16)) = F(16) - F(-8) = F(16) - 0 = = 1-e-16/8 = 1-e-2=1-fea 2.10 8 3 L | n=4 losaranic niereloine

CH RP15 6

Zedermie

Hyrnereyé c dle hlotej f dans wrenen

$$f(x) = cx(1-x)^2 I(a_1)(x)$$

jest gest zun. lossif

$$F_{\xi}(t) = 1 - e^{-t/8}$$
 dle $t>0$

$$P(\xi \in (8, 16)) = P(-8 < \xi < 0) = 4(16) + (8)$$

$$= \int_{16}^{16} (1 - e^{-1/8}) dx = \left[x - 8e^{-1/8}\right]_{0}^{16} = 16 - 8e^{-1/8} - 0 - 8e^{-0/8} = 16 - 46e^{-1/8} = 16 - 46e^{-$$

Egremin 2 2 1 y

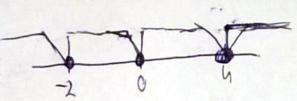
$$\frac{-1}{1} \frac{1}{1}$$
 $\frac{-1}{1} \frac{1}{1}$
 $\frac{-5}{1} \frac{92}{1} \frac{91}{94}$
 $\frac{-5}{1} \frac{93}{1} \frac{94}{1}$
 $\frac{-5}{1} \frac{93}{1} \frac{94}{1}$

Zuwenne los X ne vosleted f(x) (3 + \frac{1}{3} gdy -2xx<0

Zuwenne los X ne vosleted f(x) (\frac{1}{3} - \frac{1}{2n} gdy 0x<4

By pore type

ugrescyc a) Dystylmants runennej losevej X



$$\frac{1}{2}(\frac{1}{4}(-2), -2) \quad F(t) = 0$$

$$\frac{1}{2h} \frac{1}{3} \frac{1$$

O Prandopodobieństno zdenemia, że u 4 nieral. dośn. co najmniej dne vorzy rmienna losena X pryjmse nartość z predrietu (1,3)

$$P(X+(13))=\frac{1}{3}$$

 $P(S_{4}>2)=1-P(S_{4}<2)=1-P(S_{4}=0)-P(S_{4}=1)=1-(\frac{1}{3}\cdot\frac{1}{3}\cdot\frac{1}{3}\cdot\frac{1}{3})-\frac{1}{3}\cdot\frac{1$

07-3 10+24 5.3 D(0.5)

P(ne=4) uP(n=6

2 4 8 16 32 64 128 512 1024 2018 4036

2.5
$$f(x) = \begin{cases} \frac{1}{4 |ax|^3}, & d|a| |x| \ge 1 \\ 0, & d|a| |x| \end{cases}$$

$$\int_{0}^{\infty} \frac{1}{x^{4}} dx = \int_{0}^{\infty} \frac{1}{x^{4$$