QI

HWTC #13 A~ Uniform (15,30)

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R=40lt deterministic Value

SIN Bernoulls (P1=1) Sz ~ Bernoulli (P2=0,6)

Toplan gaz = g

P&9>403 9=A1+A2

P&A++A2 > 403 = 1- P{A++A2=403

F2 515dfA1+A2 (40) = 1- 4,

04421 Abduller, 06×62 Pdfx,y(x,y)=Cxy SS' Potry (xy)dxdy=1) SS Potry (xy) exdy=1 supportugi P 234-X = 03 Z = 341-X cdf=(a) =1 210 Papa cdfz(2)=0 -16 26 1 iain a facat = P\{\text{x} = \frac{3}{3} = \frac{3}{3} \text{xydxdy} = \frac{2/3}{3} 5 3 x 2 y dy (4-9y2)y

 Q_3 X and Y are two exid RV A=1 Z=X+Y $P_{\frac{5}{2}} > 2 |X \angle 13 = ?$ $P_{\frac{5}{2}} \times 4 > 2 |X \angle 13 = ?$ $1-P_{\frac{5}{2}} \times 4 = 1$ $1-P_{\frac{5}{2}} \times 4 = 1$ $1-P_{\frac{5}{2}} \times 4 = 1$ $1-Caf_{\frac{5}{2}}(1) = 1-(1-e+P(-N))$ exp(-1) = 0.367



