la Sopamopresa pasoma 5002 Sagara I. (Bap. 2) otyens X=Y+Z. they Chipmen $\begin{cases} y_1 + z_1 & y_2 + Z_1 \\ y_2 + z_2 & \text{horngoe by hum} = \pi, \text{ who } \pi_2.$ Eur pobuor gla smorenna c 3/2/; mo (2/y), = (2/y) z, eur pobuor gla smorenna c 3/2/; me. xoma don.

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Sagara 2. (Bap 1) Toxagame, and $(x, y) \sim N(0, I) + vegetican decourance.$ $X = U \sqrt{2en}$ $Y = V \sqrt{2en}$ $Y = V \sqrt{2en}$ $Y = V \sqrt{2en}$ Dirt X = 4 , XY = W. Zenw Tepes zameny repementant non guppennopopyne (am byto perman a lexismi), zman. Pu, v(u,v) * (det P(u,v)) = Px, y (x(u,v), y(u,v)) = 1/8/101) = 1/6=1 Pxy(2,2) = 1/det 0 (a(2,2),2(x,2)) It D(u,v) = 2 2 (an burnalens no course Wolfram) W report x y.] s=u3, t= 5 28 2 = 2 Polste). S , norgani Scounda na Wolfram #2] and (s= 22 e 22 y , marga (det 9 (2,9))= 2 · e 2 · (2,9) = 2 · e 2

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N4/ Owenums is no norperment of 354 nepsy 8ap.2) . Testimela Pois (λ) , $\lambda \in (0, 10)$ In= In Zix: ~ In Pois(n) $DX_n = \frac{1}{n^2} D[Pois(n\lambda)] = \frac{1}{n} (no me nonlymum reper D[\Sigma X_n] = \Sigma D[X_n])$ $EX_n = \frac{1}{n}EX_i = \frac{\lambda n}{n} = \lambda$ yesomeb: P(IXn-H)/7E) < EZ > \$\frac{1}{8} \leq \frac{1}{8} \leq \fr LETT Unlew: JR 7-4 = S(0,1) no 4,00 P(1510,1) ~ 5 2.9(n) < 5, morga 1 7 [36 [Can. Wolfram] imaps: P(150,11) > 1) = P(150 7 1) > 1) 1 Hedraud LEMT - P(IX, -M) > SImile ; N 3 Comin = DKI · Min = Mine · Min