20 A= 1.5 R= 1-25 @ Assumption 1: There are only two outcomes => W, L Pof winning 3 0.5 P of A winning with goal expectance => 0.75 /expected goal expectancy Poisson distribution gives the probability of the change in event, here the new event 9=0.75 X=1.7 C=2.72 P(y) = e-1 = 19 30.22 × 1.35 => 0.32611 0.91

Assumption 2: Since there are three ostomes D Arlin, Draw, 105e
P(win) = 1/3 => 0.33 15 comong probability = 1.5 * 0.33 20 495 y=0.495 \=1.5 e=2.72 PCy)=e=1,13 = (2.72) *(1.5) WEGE B 1276 - H O. Las (1) 1) Q. 99 * 1. 995 = 0.5688H 0.88 => 0.3055/ 30% chance to win (1) - 1860 0 0 (c) (3) 716 3/1754 31 410039 (21 13) (27 30) (27 4)

(6) Atleast 2.5 goods. B= 1.25 A=) 1.38 we an expect max of LA+B= d= 75 goals between them. 1=2.75 y=2.5, 2.75 (alleast 2.5 goal) PCableost 2:5) = PC2.5 goals)+ PC>2.5 gend & (1) 4=7.2 y= 9.12 G=7.19 PCD.5) = (2.72) × (2.75) 2.5 2.5 => 0.063 x 12.54 =>0.787 3.32 => 0.937 PC2.5) = 0.237 -0 PC2=12 4= 2.75 1= 2.75 PC2.75) = (2.72) 2.75 x (2.75)2.75 21.5

30.063 + 16.14 = 1.016 4.42 4042 => 6.2385 -(30) 0, + (1) P Cortlegt 2 5900(s)=1 0.237 + 0.2285 =) 0.4655 (3) 46.54. / O (c) Appropriate level of odds. Given date is only for good expertancy In order to salve the odds, we are not goma consider the ant of goals between them, but rather with the given goal expectancy, their probability to draw. 1) A draw Probability. PCA) = 1.5 × 0.33 = 0.\$95 y=0.5 1=1.5 e= 2.72

PCO-5) = e-1.5 x (1.5) (0.895 (0.895 (0.895) → 0.99 × 1.995 → 0.3022/ 0.88 (1) PCB draw)=) 1.25 x 0.33 =) 0.4125 4= 0.14192 4=1.92 G=9.19 P(3)= (9-15) × (1-35) D-4125 => 0.98ex1.0de => 0.3134 0.886 9) 0.35% 184.8 6 88.8 88 1 5 (4.08) 1399 3 6 19 3 1 19 10 20 20

Since this is based on goal expectancy draws prob = PCA adds) + PCB draw) 7 0.3022+ 0.32 -> 0 . 6555 convexting probability to odds. Odds of PCof draw) (-PCOF duaw) =) 0.655 = 1.898// 1000 1000 BLES (80100) 20 3 PCA)=0.52 /1 where sorving. 1- PCA) = 0.48/1 B ?s secreting In Tennis game only are player will serve the entire game. 10 DEPONE OF WEST AND ASSESSED. Assumption. A has 0.52-1. in every se B w?11 0. 48.1. to win ag ent sexue of year