Substituting 42-42" = 42, where 42 is horsestricted in Sign, the dual Problem becomes, Minimise W= (4,+34, SubJect to the Constraints given by 24, +342>3 34, -24, >10 24, +442 > 2, Where 4, >0, and 4, in line sistered in Sign. Assignment problem; Construct the dual of the problem Minimise Z= 12+3x3 Subject to 2x, +x2 <3 N1+2x2+6x3 >5 $-x_1+x_2+2x_3=2$ and x1, x2, x3>0. Solving the LPP by lising its dual: Solve the following UPP by using its dual Maximise $Z = 5x_1 - 2x_2 + 3x_3$ Subject to 25x, +2x2-x3 >2 3x1-4x2 53 82+3×3 55 &1, x2, 13 >0. Solution: The problem an be written as marinise Z=5x1-222+3x3 27,+22-73>2 Subject to 3712 65, 71,72, 73 20