```
>> syms z;
%Step defien the two transfer functions
H_1 = 0.2 / (1 + 0.5*z^(-1));
H_2 = (0.8 - 0.2*z^(-1)) / (1 - z^(-1) + 0.5*z^(-2));
%Step2 since the 2 TF are in parallel add the TF
H_z = H_1 + H_2
H = simplifyFraction(H_z)

H_z =

1/(5*(1/(2*z) + 1)) - (1/(5*z) - 4/5)/(1/(2*z^2) - 1/z + 1)


H =

(4*z^3)/((2*z + 1)*(2*z^2 - 2*z + 1))

>>
```