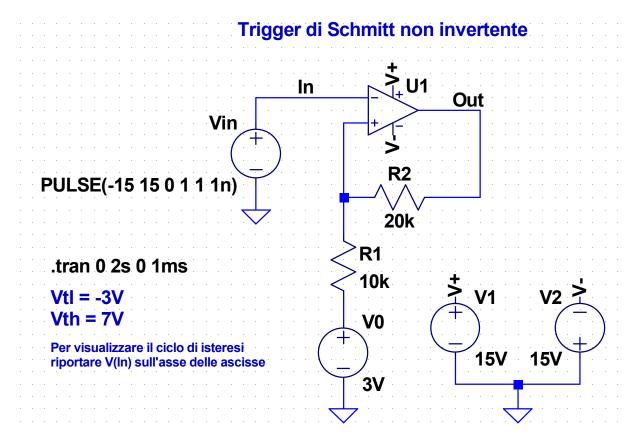
Amplificatori operazionali

Parte 3

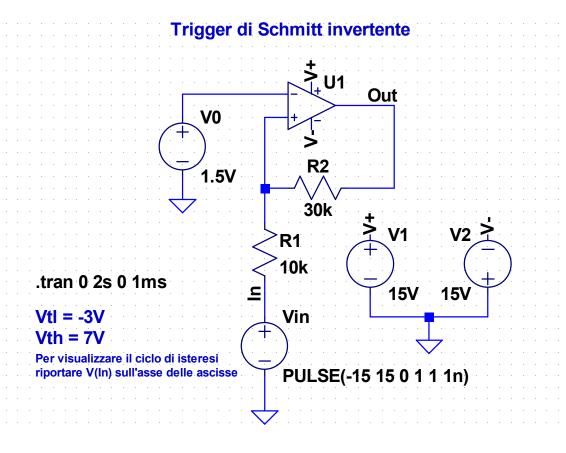
www.die.ing.unibo.it/pers/mastri/didattica.htm (versione del 28-5-2017)

Comparatori a isteresi e multivibratori

32-Schmitt-1.asc

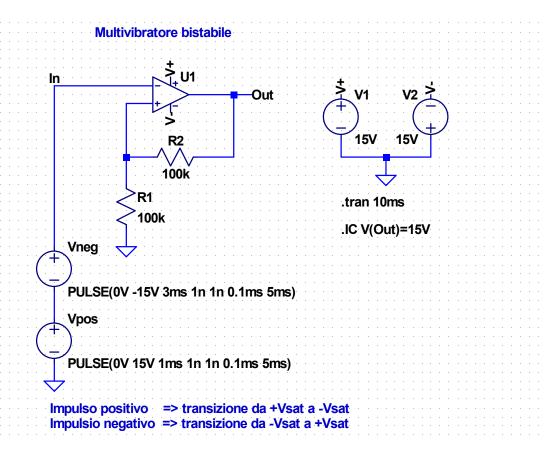


33-Schmitt-2.asc

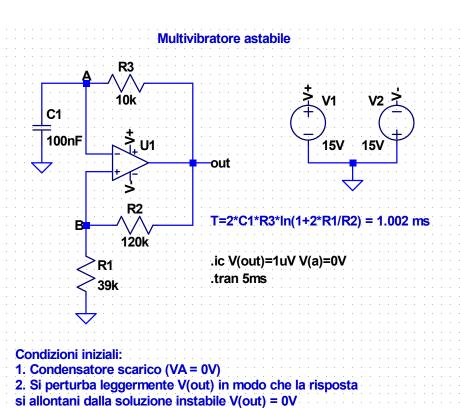


3

34-MV-bis.asc



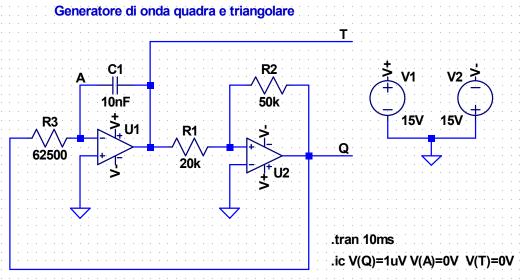
35-MV-ast.asc



6

5

36-MV-quad-tri.asc



T = 4*R3*C1*R1/R2 = 1ms

Ampiezza onda triangolare: Vsat*R1/R2 = 6V

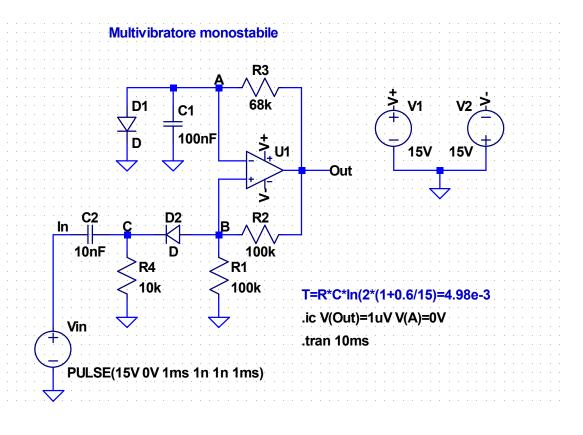
Condizioni iniziali:

- 1. Condensatore scarico (V(A) = 0V V(T)=0V)
- 2. Si perturba leggermente $V(\mathbb{Q})$ in modo che la risposta

si allontani dalla soluzione instabile V(Q) = 0V

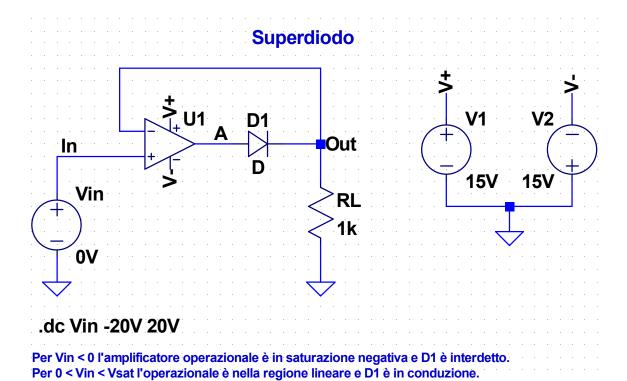
7

37-MV-mon.asc

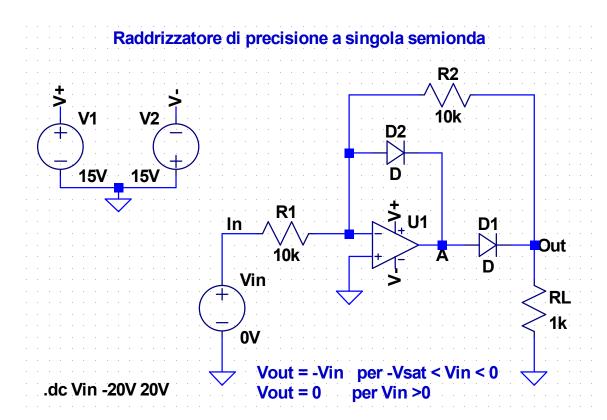


Raddrizzatori di precisione

38-RP-1.asc

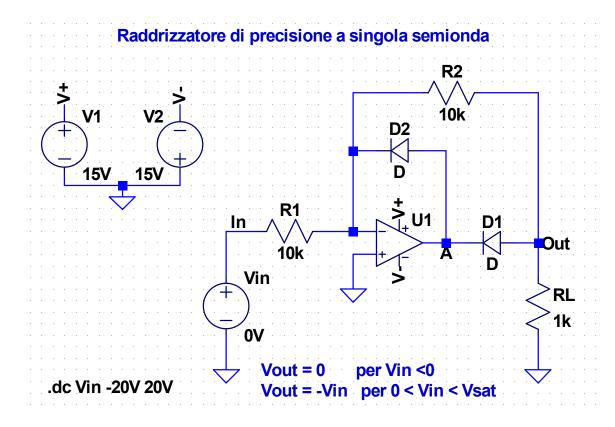


39-RP-2.asc

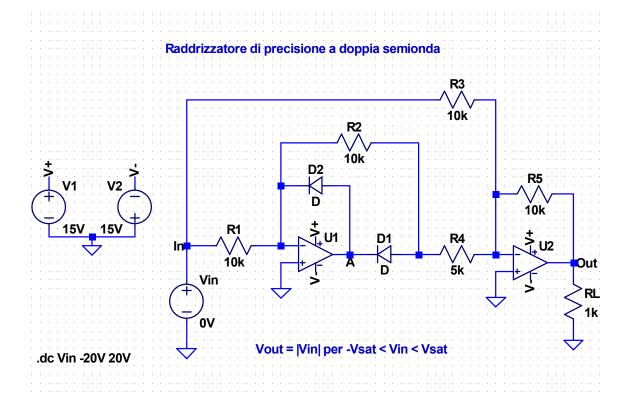


11

40-RP-3.asc

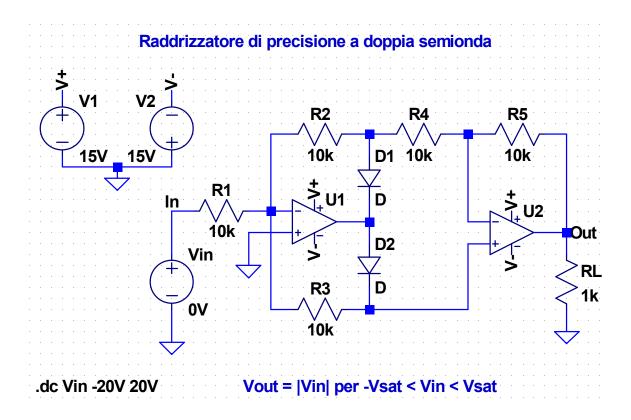


41-RP-4.asc

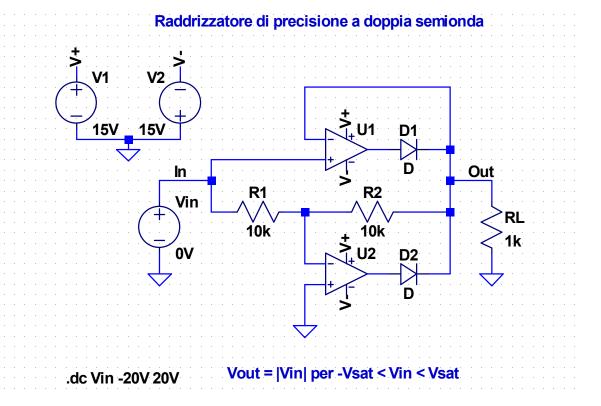


13

42-RP-5.asc



43-RP-6.asc



15