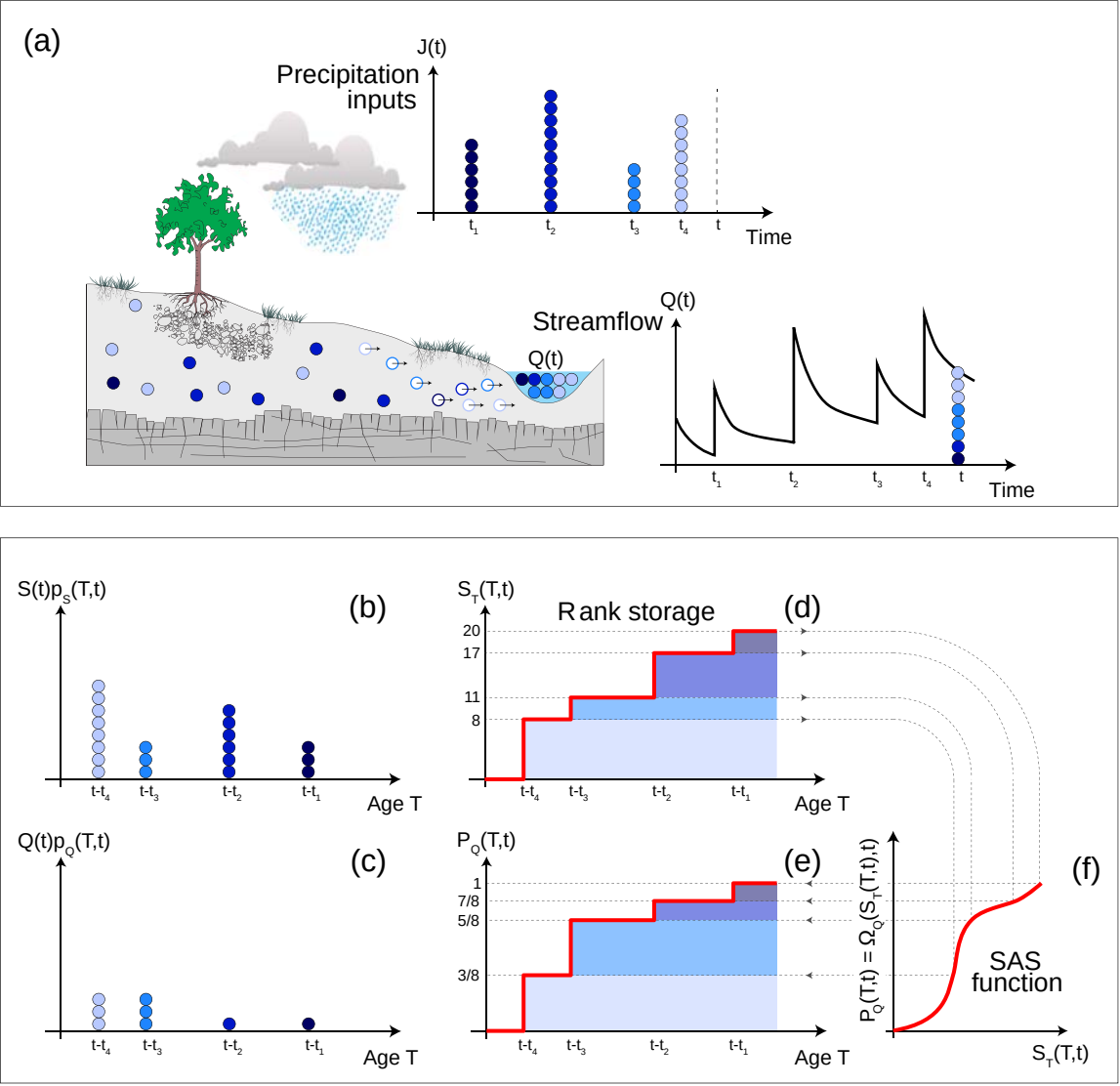
(a)
Precipitation inputs
J(t)
t1
t2
t3
t4
t
Time
Streamflow
Q(t)
Q(t)
t1
t2
t3
t4
t
Time
S(t)pS(T,t)
(b)
t-t4
t-t3
t-t2
t-t1
Age T
Q(t)pQ(T,t)
(c)
t-t4
t-t3
t-t2
t-t1
Age T
ST(T,t)
Rank storage
(d)
20
17
11
8
t-t4
t-t3
t-t2
t-t1
Age T
PQ(T,t)
(e)
1
7/8
5/8
3/8
t-t4
t-t3
t-t2
t-t1
Age T
(f)
PQ(T,t) = ΩQ(ST(T,t),t)
SAS function
ST(T,t)