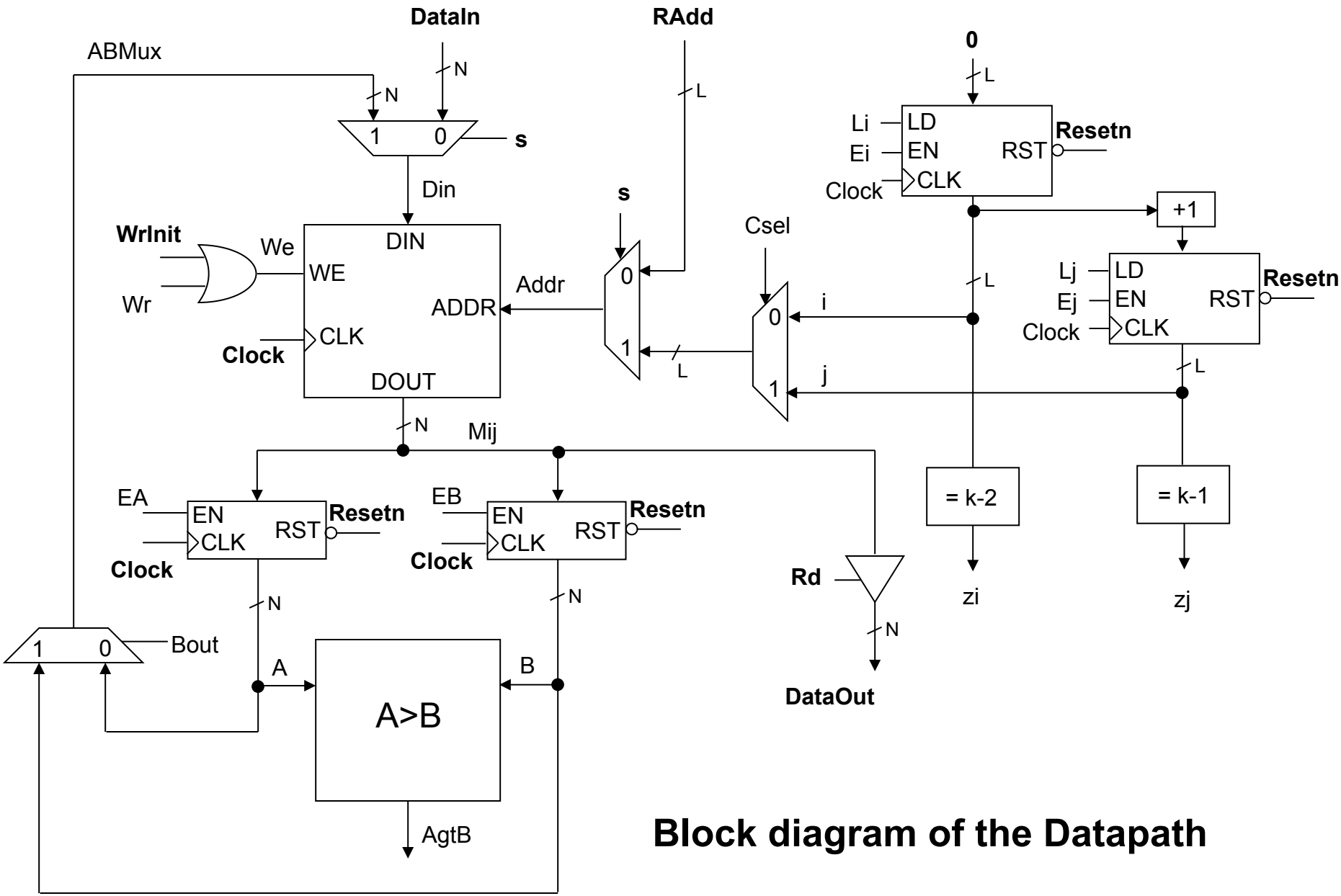
Pseudocode

```
wait for s=1
for i=0 to k-2 do
    A = M_i
    for j=i+1 to k-1 do
        B = M_j
        if A > B then
            M_i = B
            M_j = A
            A = M_i
        end if
    end for
end for
Done
wait for s=0
go to the beginning
```



Block diagram of the Datapath

Interface divided into the Datapath and Controller

