## The matrix M

Recall that M[i,j]=1 if and only if  $j\in A_i$ . Example: let's suppose that the first four sets are  $A_0=\{0,3,5\}$ ,  $A_1=\{2,3\},\ A_2=\emptyset,\ A_3=\{x\in\mathbb{N}:x\geq 3\}$ 

What do the first four rows of the matrix M look like?