## 4771 Decision Mathematics 1

## Question 1



## Question 2.

| (i) | A's c takes 2, leaving 3. <br>  <br> You have to take 1. <br>  <br> A's c takes one and you lose. | M1 |
| :--- | :--- | :--- |
| (ii)A's c takes 3 leaving 3.  <br>  Then as above. | A1 |  |
| (iii) | A's c takes 3 leaving 4. <br> You can then take 1, leading to a win. | M1 |
|  |  | A1 |

## Question 3.



## Question 4.



## Question 5.



Question 6.


