|      |        |       |      |               |      | Bo    | asic  | , J. | rope | rties  | of          |       | roba           | bèlit | ty    |        |       |        |       |    |
|------|--------|-------|------|---------------|------|-------|-------|------|------|--------|-------------|-------|----------------|-------|-------|--------|-------|--------|-------|----|
|      |        |       |      |               |      |       |       |      | ,    |        |             |       |                |       |       |        | - 3   |        |       |    |
|      |        |       | 1. S | ang           | le S | poee  | .: t  | he   | set  | of c   | ill .       | possi | ible           | oute  | come! | s . (  | S).   |        |       |    |
| S 00 | ent be | emp-  |      | e.g.          | fle  | jv a  | coi   | n: ( | S =  | 9 He   | ad,         | Jail  | l].            |       |       |        |       |        |       |    |
| ty;  | but    | f can |      | 17 EU         | rent | A -   | is 'a | any' | sub  | et A   | <u>C</u> S. |       | •              |       |       |        |       |        |       |    |
| be   | empty. |       |      |               | o P  | CA)   | : pro | babi | lity | that   | A           | will  | occ            | WT.   |       |        |       |        |       |    |
|      |        |       | 2. ] | Basic         | e Br | opert | iès   | of   | Prob | obilit | ties        |       |                |       |       |        |       |        |       |    |
|      |        |       |      | 12 ld         | d.   | is an | ev    | ent. | 0 ≤  | Paj    | )           | •     |                |       |       |        |       |        |       |    |
|      |        |       |      | 2).lq         | A    | =5,   | PU    | A)=  | PUS  | ) = [  |             |       |                |       |       |        |       |        |       |    |
|      |        |       |      | 3). J         | fA:  | =φ,   | PL    | A)=  | PLØ. | =0.    |             |       |                |       |       |        |       |        |       |    |
|      |        |       |      | 4). <i>(J</i> | ddit | twity | : if  | di   | , di | , A3   | , (         | ove   | any            | seqi  | vence | Cfi    | nète/ | infin  | ite). | of |
|      |        |       |      |               |      |       |       |      | e. A |        |             |       |                |       |       |        |       |        |       | I  |
|      |        |       |      | 0             |      |       |       |      |      |        | _           |       | = <del>Z</del> | _     |       | $\sim$ |       |        |       |    |
|      |        |       |      |               | e.g. | A =   | Head  | ls.  | B=   |        |             |       |                |       |       |        | B)    |        |       |    |
|      |        |       |      |               | 0    |       |       |      |      |        |             | ·     |                |       |       |        |       | Tails) |       |    |
|      |        |       |      |               |      |       |       |      |      |        |             |       |                |       | .t+   |        | 1     |        |       |    |
|      |        |       |      |               |      |       |       |      |      |        |             |       |                |       |       |        |       |        |       |    |
|      |        |       |      |               |      |       |       |      |      |        |             |       |                |       |       |        |       |        |       |    |
|      |        |       |      |               |      |       |       |      |      |        |             |       |                |       |       |        |       |        |       |    |
|      |        |       |      |               |      |       |       |      |      |        |             |       |                |       |       |        |       |        |       |    |
|      |        |       |      |               |      |       |       |      |      |        |             |       |                |       |       |        |       |        |       |    |
|      |        |       |      |               |      |       |       |      |      |        |             |       |                |       |       |        |       |        |       |    |
|      |        |       |      |               |      |       |       |      |      |        |             |       |                |       |       |        |       |        |       |    |
|      |        |       |      |               |      |       |       |      |      |        |             |       |                |       |       |        |       |        |       |    |
|      |        |       |      |               |      |       |       |      |      |        |             |       |                |       |       |        |       |        |       |    |
|      |        |       |      |               |      |       |       |      |      |        |             |       |                |       |       |        |       |        |       |    |
|      |        |       |      |               |      |       |       |      |      |        |             |       |                |       |       |        |       |        |       |    |