## Hot Potato

Hot potato is a game in which children form a circle and start passing a hot potato. The counting starts with the first kid. **Every nth toss the child left with the potato leaves the game**. When a kid leaves the game, it passes the potato along. This continues **until there is only one kid left**.

Create a program that simulates the game of Hot Potato. **Print** everykidthat is **removed** fromthe **circle**. In the end, **print** the kidthat is left **last**.

### Examples

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| **Input** | **Output** |
| Tracy Emily Daniel  2 | Removed Emily  Removed Tracy  Last is Daniel |
| George Peter Michael William Thomas  10 | Removed Thomas  Removed Peter  Removed Michael  Removed George  Last is William |
| George Peter Michael William Thomas  1 | Removed George  Removed Peter  Removed Michael  Removed William  Last is Thomas |