







**Exercise 5 (Mystery – 2 points)**

The go function is defined as

```
let go = function
  [] -> []
| e::list ->
  let rec what x = function
    [] -> []
  | e::list -> (e * x)::(what e list)
  in
  what e list;;
```

Give the results of the successive evaluations of the following phrases.

# go [1; 1; 1; 1; 1] ;;

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# go [42] ;;

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# go [1; 2; 3; 4; 5] ;;

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# go [2; 21; 2; 21; 2; 21] ;;

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