

```
[> (* Mantej Sokhi *)
```

QUESTION 3B:

```
[> restart:
```

```
[> a := x^4+x^3+x^2+x+1:
```

```
    b := x^2-2:
```

```
    c := x^2-3:
```

```
[> res1 := resultant(a,expand(b*c),x):
```

```
    res2 := expand(resultant(a,b,x)*resultant(a,c,x)):
```

```
[> res1;
```

```
    res2;
```

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(1)