
```
% Q5

x = 9.8^201;
y = 10.2^199;
z = sqrt(x^2 + y^2);      % Eq. 1
z
w = sqrt((x/y)^2 + 1);    % Eq. 2
w
disp("Eq. 2 is better (power of resisting overflow)")
```

```
z =
```

```
    Inf
```

```
w =
```

```
    1.0006
```

```
Eq. 2 is better (power of resisting overflow)
```

```
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```