

```
[1]: import torch
import torchviz
```

```
[2]: x = torch.Tensor([1])
```

```
[3]: x.shape
```

```
[3]: torch.Size([1])
```

```
[4]: x
```

```
[4]: tensor([1.])
```

```
[5]: w = torch.Tensor([1])
```

```
[6]: w.requires_grad = True
```

```
[7]: w.shape
```

```
[7]: torch.Size([1])
```

```
[8]: w
```

```
[8]: tensor([1.], requires_grad=True)
```

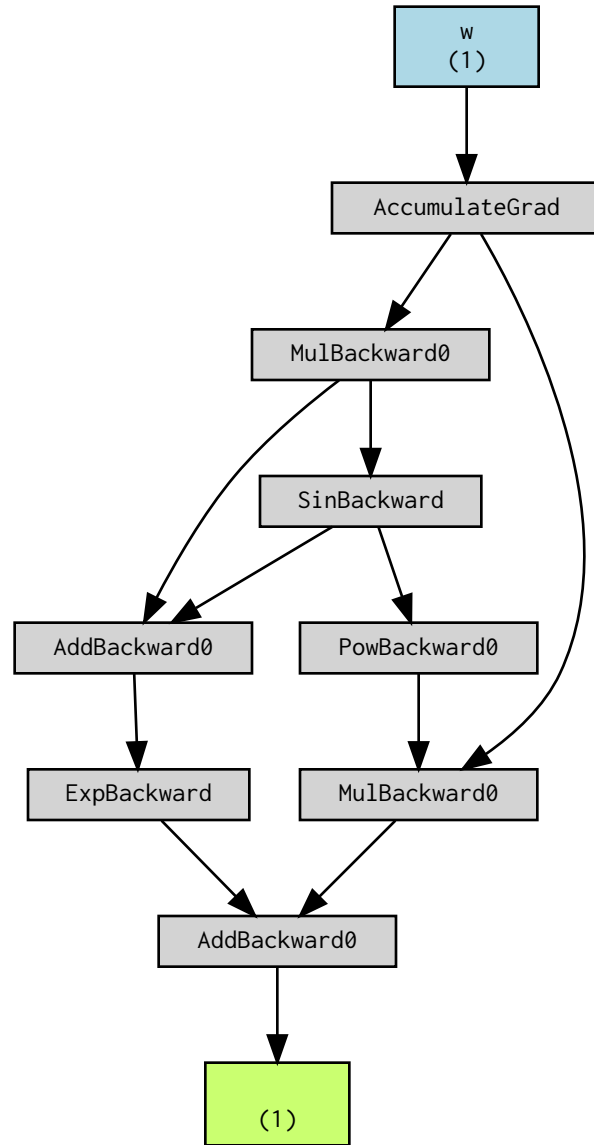
```
[9]: v1 = x * w
v2 = torch.sin(v1)
v3 = v1 + v2
v4 = torch.pow(v2, 2)
v5 = torch.exp(v3)
v6 = v4 * w
v7 = v5 + v6
out = v7
```

```
[10]: out
```

```
[10]: tensor([7.0139], grad_fn=<AddBackward0>)
```

```
[11]: torchviz.make_dot(out, params={'w': w})
```

```
[11]:
```



[12]: `out.backward()`

[13]: `w.grad`

[13]: `tensor([11.3302])`