

tf.contrib.graph_editor.get_walks_union_ops

```
get_walks_union_ops(  
    forward_seed_ops,  
    backward_seed_ops,  
    forward_inclusive=True,  
    backward_inclusive=True,  
    within_ops=None,  
    control_inputs=False,  
    control_outputs=None,  
    control_ios=None  
)
```

Defined in [tensorflow/contrib/graph_editor/select.py](#).

See the guide: [Graph Editor \(contrib\)](#) > [Module: select](#)

Return the union of a forward and a backward walk.

Args:

- **forward_seed_ops**: an iterable of operations from which the forward graph walk starts. If a list of tensors is given instead, the seed_ops are set to be the consumers of those tensors.
- **backward_seed_ops**: an iterable of operations from which the backward graph walk starts. If a list of tensors is given instead, the seed_ops are set to be the generators of those tensors.
- **forward_inclusive**: if True the given forward_seed_ops are also part of the resulting set.
- **backward_inclusive**: if True the given backward_seed_ops are also part of the resulting set.
- **within_ops**: restrict the search within those operations. If within_ops is None, the search is done within the whole graph.
- **control_inputs**: A boolean indicating whether control inputs are enabled.
- **control_outputs**: An instance of util.ControlOutputs or None. If not None, control outputs are enabled.
- **control_ios**: An instance of util.ControlOutputs or None. If not None, both control inputs and control outputs are enabled. This is equivalent to set control_inputs to True and control_outputs to the util.ControlOutputs instance.

Returns:

A Python set of all the tf.Operation in the union of a forward and a backward walk.

Raises:

- **TypeError**: if forward_seed_ops or backward_seed_ops or within_ops cannot be converted to a list of tf.Operation.

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