

## tf.contrib.graph\_editor.get\_walks\_intersection\_ops

```
get_walks_intersection_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 intersection 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** : an iterable of tf.Operation within which the search is restricted. If within\_ops is None, the search is performed 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 intersection 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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