

tf.train.maybe_batch

```
maybe_batch(  
    tensors,  
    keep_input,  
    batch_size,  
    num_threads=1,  
    capacity=32,  
    enqueue_many=False,  
    shapes=None,  
    dynamic_pad=False,  
    allow_smaller_final_batch=False,  
    shared_name=None,  
    name=None  
)
```

Defined in [tensorflow/python/training/input.py](#).

See the guide: [Inputs and Readers > Input pipeline](#)

Conditionally creates batches of tensors based on `keep_input`.

See docstring in `batch` for more details.

Args:

- `tensors`: The list or dictionary of tensors to enqueue.
- `keep_input`: A `bool` Tensor. This tensor controls whether the input is added to the queue or not. If it is a scalar and evaluates `True`, then `tensors` are all added to the queue. If it is a vector and `enqueue_many` is `True`, then each example is added to the queue only if the corresponding value in `keep_input` is `True`. This tensor essentially acts as a filtering mechanism.
- `batch_size`: The new batch size pulled from the queue.
- `num_threads`: The number of threads enqueueing `tensors`. The batching will be nondeterministic if `num_threads > 1`.
- `capacity`: An integer. The maximum number of elements in the queue.
- `enqueue_many`: Whether each tensor in `tensors` is a single example.
- `shapes`: (Optional) The shapes for each example. Defaults to the inferred shapes for `tensors`.
- `dynamic_pad`: Boolean. Allow variable dimensions in input shapes. The given dimensions are padded upon dequeue so that tensors within a batch have the same shapes.
- `allow_smaller_final_batch`: (Optional) Boolean. If `True`, allow the final batch to be smaller if there are insufficient items left in the queue.
- `shared_name`: (Optional). If set, this queue will be shared under the given name across multiple sessions.
- `name`: (Optional) A name for the operations.

Returns:

A list or dictionary of tensors with the same types as `tensors`.

Raises:

- `ValueError` : If the `shapes` are not specified, and cannot be inferred from the elements of `tensors` .

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