- **Pairs**: Emits each co-occurring pair (u,v) with a count. More intermediate data.
- **Stripes**: Emits a (u, H) with H is an associative array summarizing all co-occurrences. Reducing intermediated data.

Do you have to write a different partitioner for Pair or Stripes when generating Absolute Frequency?

The same partitioner can be used for both Pairs and Stripes because it depends only on the key u.

```
int getPartition(key u, int numReducers
        return Math.abs(u.left.hashCode())%numReducers)
```