

```
# map number to atomic, revise the mapping based on the MTL formulae, column  
of the signal
```

```
def s2a(self, signal_trace):  
    atomic_map = {}  
    s2d = {signal_name: signal_trace[i] for i, signal_name in enumerate(self.  
        trace_name)}
```

```
#####
```

```
# For User: map boolean function to atomic
```

```
atomic_map['a0'] = abs(s2d['s0']) < 0.04
```

```
atomic_map['a1'] = abs(s2d['s0']) < 0.08
```

```
atomic_map['a2'] = s2d['s1'] > 0.6
```

```
#####
```

```
return atomic_map
```