

```

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18  */
19
20 package org.elasticsearch.common.collect;
21
22 public class Tuple<V1, V2> {
23
24     public static <V1, V2> Tuple<V1, V2> tuple(V1 v1, V2 v2) {
25         return new Tuple<>(v1, v2);
26     }
27
28     private final V1 v1;
29     private final V2 v2;
30
31     public Tuple(V1 v1, V2 v2) {
32         this.v1 = v1;
33         this.v2 = v2;
34     }
35
36     public V1 v1() {
37         return v1;
38     }
39
40     public V2 v2() {
41         return v2;
42     }
43
44     @Override
45     public boolean equals(Object o) {
46         if (this == o) return true;
47         if (o == null || getClass() != o.getClass()) return false;
48
49         Tuple<?, ?> tuple = (Tuple<?, ?>) o;
50
51         if (v1 != null ? !v1.equals(tuple.v1) : tuple.v1 != null) return false;
52         if (v2 != null ? !v2.equals(tuple.v2) : tuple.v2 != null) return false;
53
54         return true;

```

```
55     }
56
57     @Override
58     public int hashCode() {
59         int result = v1 != null ? v1.hashCode() : 0;
60         result = 31 * result + (v2 != null ? v2.hashCode() : 0);
61         return result;
62     }
63
64     @Override
65     public String toString() {
66         return "Tuple [v1=" + v1 + ", v2=" + v2 + "]";
67     }
68 }
```
