

```
/*
 * tables.h
 *
 * The following tables are defined and documented in tables.c.
 * They are globally available within the kernel, but are not
 * available to the user interface.
 */

#ifndef _tables_
#define _tables_

#include "kernel_typedefs.h"

extern const EdgeIndex edge3[6];
extern const EdgeIndex edge_between_faces[4][4];
extern const EdgeIndex edge3_between_faces[4][4];
extern const EdgeIndex edge_between_vertices[4][4];
extern const EdgeIndex edge3_between_vertices[4][4];
extern const FaceIndex one_face_at_edge[6];
extern const FaceIndex other_face_at_edge[6];
extern const VertexIndex one_vertex_at_edge[6];
extern const VertexIndex other_vertex_at_edge[6];
extern const FaceIndex remaining_face[4][4];
extern const FaceIndex face_between_edges[6][6];
extern const Permutation inverse_permutation[256];
extern const signed char parity[256];
extern const FaceIndex vt_side[4][3];
extern const Permutation permutation_by_index[24];
extern const char index_by_permutation[256];

#endif
```