

```
struct tsp_matrix {
    int n;
    int *data;
    char name[100];
};

void parse_matrix_from_file(struct tsp_matrix *matrix, FILE *file);
void parse_geo_function(struct tsp_matrix *matrix, FILE *file);
void parse_explicit_lowerdiagrow(struct tsp_matrix *matrix, FILE *file);
void print_matrix(struct tsp_matrix *m);
```