**Algorithm to populate aggregation level switch**

**for each** *pod x in* [0*,k* − 1] **do**

**for each** *switch z in* [(*k/*2)*,k* − 1] **do**

**for each** *subnet i in* [0*,* (*k/*2) − 1] **do**

add Prefix(10.*x*.*z*.1, 10.*x*.*i*.0/24, *i*);

**end**

add Prefix(10.*x*.*z*.1, 0.0.0.0/0, 0);

**for each** *host ID i in* [2*,* (*k/*2) + 1] **do**

add Suffix(10.*x*.*z*.1, 0.0.0.*i*/8,

(*i* − 2+ *z*)*mod*(*k/*2) + (*k/*2));

**end**

**end**

**end**

Algorithm to populate core level switches

**for each** *j in* [1*,* (*k/*2)] **do**

**for each** *i in* [1*,* (*k/*2)] **do**

**for each** *destination pod x in* [0*,* (*k/*2) − 1] **do**

add Prefix(10.*k*.*j*.*i*,10.*x*.0.0/16, x);

**end**

**end**

**end**