In [1]:
```
# Load required packages
install.packages(c("plspm"))  # Install if not already installed
library(plspm)

# Read the dataset (replace "Pilot_modified_data_new.csv" with your actual data fil
data <- read.csv("Pilot_modified_data_new.csv")

# Define the indicator matrix
independent_vars <- c(0, 0, 0)  # Replace with appropriate values
mediator_var <- c(1, 0, 0)       # Replace with appropriate values
dependent_vars <- c(1, 1, 0)     # Replace with appropriate values

x <- rbind(independent_vars, mediator_var, dependent_vars)
rownames(x) <- c("independent_var", "mediator_var", "dependent_var")

# Visualize the indicator matrix
innerplot(x)

# Define outer model relationships
out <- list(3:13, 14, 1:3)  # Replace with appropriate indices

# Specify measurement modes ("A" for reflective indicators)
mode <- c("A", "A", "A")

# Perform PLS-PM analysis with bootstrapping
xx <- plspm(data, x, out, scheme="path", boot.val = T, br = 1500 )

# Print summary of the PLS-PM analysis
summary(xx)

# Create a path diagram plot of the PLS-PM analysis
plot(xx)

# Create a loadings plot of the PLS-PM analysis
plot(xx, what = "loadings", ar.width = 0.5)
```

```
also installing the dependencies ‘tester’, ‘turner’, ‘amap’


Updating HTML index of packages in '.Library'

Making 'packages.html' ...
 done
```

```
Error in lm.fit(x, y, offset = offset, singular.ok = singular.ok, ...): 0 (non-NA)
cases
Traceback:

1. plspm(data, x, out, scheme = "path", boot.val = T, br = 1500)
2. get_boots(MV, path_matrix, blocks, specs, br)
3. get_weights(X.boot, path_matrix, blocks, specs)
4. get_path_scheme(path_matrix, Y)
5. lm(LV[, k] ~ LV[, follow] - 1)
6. lm.fit(x, y, offset = offset, singular.ok = singular.ok, ...)
7. stop("0 (non-NA) cases")
```