Famil	y name: Given name:
Famil	y name: Given name:
Famil	y name: Given name:
	Consider a table stored in HDFS with the following characteristics:
	Size (T) = 256MB; T = 64 rows; Size (Row) = 4MB
	Cols (T) = 4; Size (Col) = 1MB; Size(Footer)=0; Size(Header)=0
a) Given the configuration parameters, how much space would you need to store it in a horizontal layout (i.e., Avro)?
	Size (MetaHRow) = 0.1MB; Size (MetaHBody) = 0.1MB
	Size (Avro) =
b) Given the configuration parameters, how much space would you need to store it in a
	hybrid layout (i.e., Parquet)?
	Size (MetaYCol) = 0.2MB; Size (MetaYRowGroup) = 0.5MB; Size (RowGroup) = 8MB
	Used _{RG} (Hybrid) =
	Size(Parquet) =

Family	name: Given name:	
Family	name: Given name:	
Family	name: Given name:	
	Consider a table stored in HDFS with the following characteristics:	
	Size (T) = 256MB; T = 64 rows; Size (Row) = 4MB	
	Cols (T) = 4; Size (Col) = 1MB; Size(Footer)=0; Size(Header)=0	
c)	Given the configuration parameters, how much data would you need to retrieve it in a hybrid layout (i.e., Parquet) to project two columns?	
	Size (MetaYCol) = 0.2MB; Size (MetaYRowGroup) = 0.5MB; Size (RowGroup) = 8MB	
Used _{RG}	(Hybrid) =	
Used _{ro}	ws (RowGroup) =	
Size (R	efCols) =	
Size (Project _{Parquet}) =		

Family name: Given name:		
Family	name: Given name:	
Family name: Given name:		
	Consider a table stored in HDFS with the following characteristics:	
	Size (T) = 256MB; T = 64 rows; Size (Row) = 4MB	
	Cols (T) = 4; Size (Col) = 1MB; Size(Footer)=0; Size(Header)=0	
d)	Given the configuration parameters, how much data would you need to retrieve it in a hybrid layout (i.e., Parquet) to select one row if the table is not sorted?	
	Size (MetaYCol) = 0.2MB; Size (MetaYRowGroup) = 0.5MB; Size (RowGroup) = 8MB	
Used _{RG}	(Hybrid) =	
Used _{rows} (RowGroup) =		
P(RGSe	elected) =	
UsedRO	G(Select _{Parquet}) =	
Size (Select _{Parquet}) =		